

# REPORT

OF THE

## HEALTH OF LIVERPOOL

DURING THE YEAR 1870,

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# R E P O R T , 1870.

DURING the fifty-two weeks of the year 1870 (terminating on Saturday, 31st December, 1870), the Returns of the Local Registrars record 19,146 births and 16,099 deaths within the Borough of Liverpool.

Of the births, 9,682 were males, and 9,464 were females ; making the total Birth-rate of the Borough equal to 36·9 per 1,000.

The distribution of the births in the different wards and districts of the Borough has been arranged in the following Table :—

## BIRTHS.

DISTRICTS AND WARDS.	1st Quarter.		2nd Quarter.		3rd Quarter.		4th Quarter.		An- nual- Births
	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.	Male.	Fe- male.	
Scotland.....	391	387	457	470	412	369	351	339	3176
Vauxhall .....	97	81	80	78	91	82	67	81	657
St. Paul's and Exchange.....	116	91	90	117	100	116	108	91	829
St. Anne's and Lime Street...	174	173	179	161	190	170	182	150	1379
Castle Street and St. Peter's	36	23	31	21	27	30	32	38	238
Pitt Street and Gt. George...	101	91	87	105	73	94	97	97	745
Rodney St. and Abercromby..	206	259	249	231	208	212	234	203	1802
Everton and Kirkdale.....	677	668	640	651	603	553	631	611	5034
West Derby .....	243	261	233	251	254	239	262	252	1995
The Toxteths.....	432	413	426	402	395	404	420	399	3291
Parish.....	1121	1105	1173	1183	1101	1073	1071	999	8826
Out Townships.....	1352	1342	1299	1304	1252	1196	1313	1262	10320
Borough.....	2473	2447	2472	2487	2353	2269	2384	2261	19146

Of the 16,099 deaths, 8,254 were of males, and 7,845 of females ; 9,300 occurred in the Parish, and 6,799 in the Out-townships.

The Death-rate of the Borough was equal to 31·1 per 1000, or to nearly 1 per 1000 less than the average rate which had prevailed during the previous ten years. The Death-rate of the Parish was equal to 33·3, and that of the Out-townships to 28·5 per 1000 of the estimated population.

If the relative number of males and females are still pretty near what they were between the two census periods of 1851 and 1861, then the Birth and Death-rates of females in 1870 were respectively 35·7 and 29·6, and those of males 38·3 and 29·6 per 1000 of the estimated population of the same sex.

The deaths occurred in the following districts :—

### D E A T H S.

	DISTRICTS.	1st Quarter.		2nd Quarter.		3rd Quarter.		4th Quarter.		Annual. Deaths.
		Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	
Parish.	Scotland .....	255	241	214	219	377	347	419	451	2523
	Vauxhall .....	72	81	58	66	124	103	108	91	703
	St. Paul's and Ex-change .....	91	77	63	66	104	83	124	134	742
	St. Anne's and Lime Street .....	159	136	132	104	171	158	194	166	1220
	Castle Street and St. Peter's .....	29	27	17	19	25	35	31	28	211
	Pitt Street and Great George .....	84	73	65	66	103	100	98	112	701
	Rodney Street and Abercromby.....	126	148	109	118	131	138	97	118	985
	Parish Workhouse and Hospitals.....	323	243	285	207	269	232	354	302	2215
	Everton and Kirk-dale .....	373	346	293	294	417	396	445	447	3011
Out Townships.	West Derby .....	147	130	120	141	188	177	168	161	1232
	The Toxteths.....	253	249	218	217	338	322	369	368	2334
	Out Township Hos-pitals .....	1	—	—	1	26	20	87	87	222
	Parish .....	1139	1026	943	865	1304	1196	1425	1402	9300
	Out Townships.....	774	725	631	653	969	915	1069	1063	6799
	Borough .....	1913	1751	1574	1518	2273	2111	2494	2465	16099

We are able, from the returns made by the Registrars as to the residences of persons dying in the Workhouses and Hospitals of the town, to classify 1,562 of the deaths in these establishments under the wards and districts from whence the patients were removed, viz., 418 under Scotland Ward, 256 under Vauxhall Ward, 183 under St. Paul's and Exchange Wards (Dale Street District,) 283 under St. Anne's and Lime Street Wards (Islington District,) 40 under Castle Street and St. Peter's Wards (Great George's District,) 149 under Pitt Street and Great George's Wards (St. Thomas's District,) 135 under Rodney Street and Abercromby Wards (Mount Pleasant District,) 67 under the Out-Townships of Everton and Kirkdale, 17 under that of West Derby, and 14 under those of the Toxteths. This will, however, still leave unclassified 875 deaths of persons whose previous residences were either unknown or are not specified.

The results of the alterations occasioned by a re-arrangement of the deaths in the wards and districts from whence the patients were removed will be shown in the following table, from which a calculated rate of mortality per 1,000 of the estimated inhabitants has been made.

DISTRICTS AND WARDS.	Annual.	
	Dcaths.	Rate per 1000.
Scotland .....	2941	29·1
Vauxhall.....	959	43·9
St. Paul's and Exchange .....	925	36·2
St. Anne's and Lime Street.....	1503	36·3
Castle Street and St. Peter's .....	251	18·1
Pitt Street and Great George .....	850	34·6
Rodney Street and Abercromby .....	1120	21·9
Everton and Kirkdale .....	3078	26·4
West Derby .....	1249	24·4
The Toxteths.....	2348	33·0
Parish and Out-Township Workhouses and Hospitals, residences unknown .....	875	
Parish .....	9300	33·3
Out-Townships.....	6799	28·5
Borough.....	16099	31·1

The above rates must be regarded as mere approximations ; this is especially the case in respect of the mortality rates of Vauxhall Ward, St. Paul's and Exchange Wards, Castle Street and St. Peter's Wards, Pitt Street and Great George Wards, where the calculation is made upon a supposed annual decrease of population ; and in Lime Street and St. Anne's Wards, where the increase of population is estimated on a very small decimal of 00.6 per cent.

The Registrar-General's weekly reports enable us to compare the mortality of Liverpool with thirteen of the large towns of Great Britain ; and as the density of population ought to be considered in every comparison of the sanitary condition of towns and cities, it has also been included in the following table :—

TOWNS.	Estimated Population in the middle of the year 1870.	Births in 52 Weeks, ending 31st Dec., 1870.	Deaths in 52 Weeks, ending 31st Dec., 1870.	Annual Rate to 1,000 of Population.		Area in Acres.	Population on Acre.
				Births.	Deaths.		
London .....	3214707	113488	77277	35·3	24·0	77997	41·2
Bristol .....	171382	6247	5123	36·4	29·8	4674	36·6
Birmingham .....	369604	12921	7804	34·9	21·1	7831	47·1
Manchester.....	374993	13721	10429	36·5	27·8	4069	92·1
Salford .....	121580	4870	3167	40·0	26·0	5009	24·2
Sheffield .....	247378	9779	6239	39·5	25·2	22830	10·8
Bradford.....	143197	5605	3914	39·1	27·3	6590	21·7
Leeds .....	259527	10445	7325	40·2	28·2	19221	13·5
Newcastle-on-Tyne..	133367	5093	3209	38·1	24·0	5336	24·9
Hull .....	130869	4411	2850	33·7	21·7	3621	36·1
Edinburgh .....	178970	6729	4706	37·5	26·2	4191	42·7
Glasgow .....	468189	19240	13930	41·0	29·7	5791	80·8
Liverpool .....	517567	19146	16099	36·9	31·1	5210	99·3

The average age at death of the inhabitants of the Borough during the twelve months of the year 1870 was 22 years, in the Parish 24 years, and in the Out-Townships 20 years. The following table shows, as might have been expected, that the average age was lowest during the third quarter, or during the months of July, August, and September, when the diseases of childhood, or at least Infantile Diarrhoea, were most rife.

WARDS.	QUARTERS.								YEAR 1870.		
	FIRST.		SECOND.		THIRD.		FOURTH.				
	Age in Years.		Age in Years.		Age in Years.		Age in Years.		Age in Years.		
	M.	F.	Both Sexes								
Average Age at Death.											
Scotland .....	21	22	19	16	12	15	15	16	17	17	17
Vauxhall .....	26	28	16	20	15	16	20	17	19	20	20
St. Paul's.....	26	23	26	24	18	15	18	27	22	22	22
Exchange .....	33	30	26	25	15	18	23	27	24	25	25
St. Anne's .....	25	29	20	24	15	18	18	23	20	24	22
Lime Street.....	17	25	27	27	16	25	13	19	18	24	21
Castle Street .....	35	16	32	41	23	42	30	31	30	33	32
St. Peter's .....	24	34	29	29	32	17	12	31	24	28	26
Pitt Street .....	26	26	25	18	22	10	21	28	24	21	22
Great George .....	22	29	17	31	12	15	18	23	17	25	21
Rodney Street.....	23	33	22	34	19	15	27	29	24	28	26
Abercromby .....	26	41	23	29	21	16	17	32	22	30	26
Parish Workhouse } and Hospitals.....	39	38	34	33	35	36	35	36	36	36	36
Everton & Kirkdale...	21	23	21	24	15	16	15	23	18	22	20
West Derby .....	19	24	21	25	16	17	17	20	18	22	20
North Toxteth .....	19	28	21	22	13	16	19	21	18	22	20
South Toxteth .. ....	19	26	17	21	11	14	22	19	17	20	19
Out-Township Work- house and Hospital }	23	—	—	41	25	23	31	24	20	22	21
Parish .....	28	30	25	25	19	20	22	24	24	25	24
Out-Townships ...	20	23	20	23	14	16	17	23	18	21	20
Borough .....	25	28	23	24	17	18	20	23	21	23	22

The deaths of infants below the fifth year of their age amounted to 8,148, and thus comprised 50·6 per cent. of the whole deaths. There were at the last census 60,760 children under five years of age within the Borough of Liverpool, and the number may now be estimated at 70,837 ; therefore, their mortality in 1870 was equal to 11·5 per cent. 4,952 infants, or 25·8 per cent of all the children born within the Borough of Liverpool, died before attaining the age of twelve months.

The first of the following tables shows the districts where infant mortality was relatively and absolutely greatest ; the second table illustrates the influence of age on the death rate of the Borough ; and the third table places, in one connected view, the pathological history of the death registry.

WARDS.	Quarters.				Annual.	Per Cent- age of Deaths under 5 Years to Total Deaths.
	March.	June.	Sept.	Dec.		
Scotland.....	{ Total Deaths...	496	433	724	870	2523 } 62·9
	{ Below 5 years..	255	253	520	560	1588 }
Vauxhall.....	{ Total Deaths...	153	124	227	199	703 } 56·1
	{ Below 5 years..	57	73	149	116	395 }
St. Paul's .....	{ Total Deaths...	86	68	103	144	401 } 51·1
	{ Below 5 years..	37	29	66	73	205 }
Exchange .....	{ Total Deaths...	82	61	84	114	341 } 46·0
	{ Below 5 years..	24	29	52	51	157 }
St. Anne's.....	{ Total Deaths...	210	167	221	254	852 } 54·9
	{ Below 5 years..	99	89	139	141	468 }
Lime Street.....	{ Total Deaths...	85	69	108	106	368 } 51·3
	{ Below 5 years..	29	30	67	63	189 }
Castle Street....	{ Total Deaths...	16	10	15	17	58 } 41·3
	{ Below 5 years..	8	3	6	7	24 }
St. Peter's .....	{ Total Deaths...	40	26	45	42	153 } 42·4
	{ Below 5 years..	13	10	26	16	65 }
Pitt Street.....	{ Total Deaths...	56	53	82	73	264 } 53·7
	{ Below 5 years..	26	30	51	35	142 }
Great George.....	{ Total Deaths..	101	78	121	137	437 } 54·4
	{ Below 5 years..	51	38	79	70	238 }
Rodney Street .....	{ Total Deaths..	132	98	115	105	450 } 47·1
	{ Below 5 years..	48	44	70	50	212 }
Abercromby .....	{ Total Deaths...	142	129	154	110	535 } 47·2
	{ Below 5 years..	47	59	100	47	253 }
Parish Workhouse and Hospitals.....	{ Total Deaths...	566	492	501	656	2215 } 19·1
	{ Below 5 years..	86	106	96	136	424 }
Everton and Kirkdale....	{ Total Deaths...	719	587	813	892	3011 } 56·1
	{ Below 5 years..	371	285	525	510	1691 }
West Derby.....	{ Total Deaths...	277	261	365	329	1232 } 55·1
	{ Below 5 years..	156	118	224	182	680 }
North Toxteth.....	{ Total Deaths...	260	215	318	378	1171 } 55·9
	{ Below 5 years..	134	109	200	212	655 }
South Toxteth .....	{ Total Deaths...	242	220	342	359	1163 } 60·3
	{ Below 5 years..	124	123	238	217	702 }
Out-Township Workhouse and Hospitals.....	{ Total Deaths...	1	1	46	174	222 } 27·4
	{ Below 5 years..	...	...	14	47	61 }
Parish .....	{ Total Deaths...	2165	1808	2500	2827	9300 } 46·8
	{ Below 5 years..	780	793	1421	1365	4359 }
Out Townships .....	{ Total Deaths...	1499	1284	1884	2132	6799 } 55·7
	{ Below 5 years..	785	635	1201	1168	3789 }
Borough .....	{ Total Deaths...	3664	3092	4384	4959	16099 } 50·6
	{ Below 5 years..	1565	1428	2622	2533	8148 }

AGES.	QUARTERS.				ANNUAL.	
	March.	June.	Sept.	Dec.	Deaths.	Rate per 1,000 of the Population.
Deaths at 1 year and under.....	938	870	1810	1334	4952	9·5
,, between 1 year and 5.....	627	558	812	1199	3196	6·1
,,    ,, 5    ,, 20 .....	265	266	302	453	1286	2·4
,,    ,, 20    ,, 60 .....	1330	1029	1086	1466	4911	9·4
,, above 60 years .....	499	362	368	503	1732	3·3
,, at ages unknown.....	5	7	6	4	22	00·4
,, at all ages.....	3664	3092	4384	4959	16099	31·1

The Registrar's returns show that there were 11 deaths (6 of women and 5 of men) above the age of 90, viz., 1 female at the age of 91, 1 male and 1 female at the age of 93, 3 males at the age of 95, 1 male and 1 female at 96, 1 female at 98, 1 female at 99, and 1 female at 102. This last person was an inmate of the Workhouse; her previous residence was No. 9, in No. 12 Court, Oriel Street, and she was the widow of a labourer.

CLASSES.	QUARTERS.				YEAR 1870.
	March.	June.	Sept.	Dec.	
1. Zymotic Diseases .....	620	617	1766	1728	4731
2. Diseases of Uncertain Seat .....	100	113	118	109	440
3. Tubercular Diseases .....	588	564	509	505	2166
4. Diseases of Brain, &c. ....	318	315	366	387	1386
5.    ,, of Heart, &c. ....	143	116	107	145	511
6.    ,, of Lungs, &c. ....	970	540	395	970	2875
7.    ,, of Stomach, &c. ....	147	129	169	164	609
8.    ,, of Kidneys, &c. ....	55	44	42	67	208
9. Childbirth, Diseases of Uterus, &c. ....	17	17	23	30	87
10. Rheumatism, Diseases of the Joints, &c. ....	16	25	22	15	78
11. Diseases of the Skin, Cellular Tissue, &c. ....	18	15	34	26	93
12. Malformations .....	6	7	5	5	23
13. Premature Birth .....	47	35	65	84	231
14. Atrophy and Debility.....	230	251	406	327	1214
15. Old Age .....	100	81	101	113	395
16. Privation, Cold, &c. ....	6	1	8	8	23
17. Inquests.....	255	195	235	252	937
Causes not specified.....	28	27	13	24	92
All Causes.....	3664	3092	4384	4959	16099
Total Zymotics .....	620	617	1766	1728	4731
Small Pox .....	—	—	10	164	174
Measles.....	29	35	44	118	226
Scarlatina .....	243	184	304	547	1278
Hooping Cough .....	63	76	124	188	451
Diarrhoea.....	58	103	907	83	1151
Typhus and Infantile Fever.....	115	103	140	214	572
Relapsing Fever .....	2	4	79	270	355

## ZYMOTICS.

Zymotic diseases occasioned 4731 deaths during the year 1870, and thus accounted for 29.3 per cent. of the total mortality within the Borough of Liverpool during the same period. This was nearly one per cent. more than the proportional rate of Zymotic deaths to deaths from all causes during the preceding decennial period. The following table shows the localities and the periods of their fatal prevalence :—

WARDS, &c.	Deaths from all Causes	ZYMOTICS.				Per Centage of Zymotic deaths to deaths frm all causes.	
		QUARTERS.					
		March.	June.	Sept.	Dec.		
Scotland .....	2523	100	104	326	355	35·0	
Vauxhall .....	703	17	25	93	72	29·4	
St. Paul's .....	401	9	10	39	42	24·9	
Exchange .....	341	9	11	25	37	24·0	
St. Anne's.....	852	30	29	83	81	26·1	
Lime Street .....	368	10	13	50	28	27·4	
Castle Street .....	58	5	...	4	2	18·9	
St. Peter's.....	153	6	8	11	12	24·1	
Pitt Street.....	264	7	12	35	22	28·7	
Great George.....	437	12	13	59	60	32·9	
Rodney Street .....	450	15	22	42	23	22·6	
Abercromby .....	535	21	24	56	30	24·4	
Liverpool Workhouse Hospital.....	1715	66	57	81	94	17·3	
North Hospital .....	137	...	1	1	1	2·1	
South Hospital .....	109	1	4	2	...	6·4	
Royal Infirmary .....	198	3	4	2	...	4·5	
Lying-in Hospital .....	12	...	...	1	...	8·3	
Ashfield Street Hospital .....	44	...	...	6	34	90·9	
Everton and Kirkdale.....	3011	155	122	328	278	29·3	
West Derby .....	1232	45	56	163	104	29·3	
North Toxteth .....	1171	61	54	138	151	34·5	
South Toxteth.....	1163	47	53	190	169	39·4	
West Derby Union .....	34	...	...	...	34	100·0	
Everton Hospital.....	21	1	1	9	8	90·4	
Kirkdale Hospital .....	166	...	...	22	91	68·0	
Caryl Street Hospital .....	1	...	...	...	...	...	
Parish .....	9300	311	337	916	893	26·4	
Out Townships .....	6799	309	280	850	835	33·4	
Borough .....	16099	620	617	1766	1728	29·3	

## TYPHUS AND INFANTILE REMITTENT FEVER.

These diseases accounted within the Borough of Liverpool for 572 deaths, or for 369 in the Parish and 203 in the Out-townships ; the rate of their mortality was equal to 1.1 per 1000 per annum of the estimated population ; their per-centage rate relatively to deaths from all causes was 3.1 during the first, 3.3 during the second, 3.2 during the third, and 4.3 during the fourth quarter of the year. Their deaths included 298 males and 274 females ;

213 persons below the age of 15; 101 between the ages of 15 and 30, and 258 above the age of 30.

Every form of continued fever (with the exception of Relapsing Fever) is included under the generic term of Typhus; but the Registers of Deaths attribute 25 cases to gastric fever, 56 to typhoid fever, 35 to enteric fever, 7 to continued fever, 2 to brain fever, and 218 to typhus. Under the term of fever there were registered 173 deaths, under that of febris 14 deaths, and under that of febricula 15 deaths. The deaths registered under the term of infantile remittent amounted to 27.

The following tables are in themselves sufficiently explanatory; the first compares the averages of fever deaths during the preceding ten years with those during 1870; the second table shows the districts of the town and the periods of the year in which fever was most fatally prevalent; the third table marks in streets the habitats of the disease; and the remaining tables the occupations and social positions of its victims.

WARDS.	Exact Average of Fever Deaths for Pre- ceding Ten Years.	Deaths from Fever during the Year 1870.
Scotland .....	143	93
Vauxhall .....	48	26
St. Paul's .....	24	15
Exchange .....	22	5
St. Anne's .....	42	39
Lime Street .....	17	11
Castle Street .....	4	2
St. Peter's .....	6	5
Pitt Street .....	13	5
Great George .....	22	8
Rodney Street .....	20	6
Abercromby .....	22	12
Everton and Kirkdale .....	112	92
West Derby .....	39	27
North Toxteth .....	55	44
South Toxteth .....	80	22
Hospital Deaths .....	404	160
Total.....	1073	572

In the above table the averages have been calculated without making allowance for increase of population.

DEATHS FROM TYPHUS AND INFANTILE  
REMITTENT FEVER.

WARDS.	QUARTERS.								YEAR.			
	March.		June.		Sept.		Dec.					
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	Total.	
Scotland .....	{ Below 5 years ...	3	1	2	5	5	2	3	8	13	16	29
	Above 5 years ...	9	4	7	3	7	6	16	12	39	25	64
Vauxhall .....	{ Below 5 years ...	...	1	...	2	...	1	1	...	1	4	5
	Above 5 years ...	2	2	1	1	2	3	4	6	9	12	21
St. Paul's .....	{ Below 5 years ...	...	1	...	...	1	...	1	1	2	2	4
	Above 5 years ...	...	...	1	1	1	1	...	7	2	9	11
Exchange .....	{ Below 5 years ...	...	...	...	...	...	...	...	...	...	...	...
	Above 5 years ...	...	1	...	1	1	...	1	1	2	3	5
St. Anne's .....	{ Below 5 years ...	1	1	1	...	...	3	2	5	4	9	13
	Above 5 years ...	4	2	1	1	4	1	9	4	18	8	26
Lime Street .....	{ Below 5 years ...	...	2	...	...	3	3	...	1	...	3	3
	Above 5 years ...	2	...	...	...	3	3	...	...	5	3	8
Castle Street .....	{ Below 5 years ...	...	...	...	...	...	...	...	...	...	...	...
	Above 5 years ...	...	...	...	...	...	1	...	1	...	2	2
St. Peter's .....	{ Below 5 years ...	1	...	...	1	...	...	...	...	1	1	2
	Above 5 years ...	...	...	...	2	...	...	1	...	1	2	3
Pitt Street .....	{ Below 5 years ...	...	...	...	...	2	...	...	...	2	...	2
	Above 5 years ...	...	...	...	...	1	...	...	2	1	2	3
Great George .....	{ Below 5 years ...	...	...	...	...	...	...	1	1	...	1	1
	Above 5 years ...	...	...	...	...	...	1	5	1	5	2	7
Rodney Street .....	{ Below 5 years ...	...	1	...	...	...	...	...	...	...	1	1
	Above 5 years ...	...	...	1	2	...	...	1	1	2	3	5
Abercromby .....	{ Below 5 years ...	...	...	1	...	...	1	1	1	2	1	3
	Above 5 years ...	...	2	3	...	1	...	2	1	6	3	9
Parish Workhouses and Hospitals .....	{ Below 5 years ...	...	1	1	1	...	2	5	...	6	4	10
	Above 5 years ...	24	17	21	13	17	16	11	13	73	59	132
Out Township Workhouses and Hospitals .....	{ Below 5 years ...	...	...	...	...	...	...	...	2	...	2	2
	Above 5 years ...	...	...	...	1	1	...	6	8	7	9	16
Everton and Kirkdale .....	{ Below 5 years ...	6	5	2	1	7	6	3	5	18	17	35
	Above 5 years ...	8	4	5	8	11	5	6	10	30	27	57
West Derby .....	{ Below 5 years ...	4	...	1	2	2	...	1	1	8	3	11
	Above 5 years ...	...	...	1	1	4	4	3	3	8	8	16
North Toxteth .....	{ Below 5 years ...	1	1	1	...	1	1	3	4	6	6	12
	Above 5 years ...	1	2	1	1	1	3	12	11	15	17	32
South Toxteth .....	{ Below 5 years ...	...	...	...	1	...	...	...	3	...	4	4
	Above 5 years ...	1	...	3	1	6	2	1	4	11	7	18
Parish .....	{ Below 5 years ...	5	8	5	9	8	9	14	15	32	41	73
	Above 5 years ...	41	28	35	24	37	32	50	49	163	133	296
Out Townships .....	{ Below 5 years ...	11	6	4	4	10	7	7	15	32	32	64
	Above 5 years ...	10	6	10	12	23	14	28	36	71	68	139
Borough .....	{ Below 5 years ...	16	14	9	13	18	16	21	30	64	73	137
	Above 5 years ...	51	34	45	36	60	46	78	85	234	201	435

List of Streets in the Borough wherein Three or more Deaths from  
Typhus and Infantile Fever occurred in 1870.

STREETS IN THE PARISH.	HOUSES.		Total.	STREETS IN THE PARISH.	HOUSES.		Total.
	Front.	Court.			Front.	Court.	
Beau .....	...	3	3	Midghall .....	...	3	3
Ben Jonson .....	4	2	6	Oriel .....	1	2	3
Birkett.....	1	3	4	Pall Mall.....	1	3	4
Blandford .....	2	1	3	Paul.....	1	2	3
Bostock .....	3	1	4	Plumbe.....	1	2	3
Brown.....	3	...	3	Portland.....	3	...	3
Brownlow Hill.....	2	1	3	Richmond Row.....	2	1	3
Burlington .....	...	4	4	Sawney Pope.....	4	1	5
Burnet .....	3	...	3	Scotland Road .....	3	2	5
Charter.....	1	2	3	Vauxhall Road .....	4	...	4
Christian .....	1	2	3	STREETS IN THE OUT TOWNSHIPS.			
Collingwood .....	1	3	4	Brassey .....	2	1	3
Comus .....	...	3	3	Field .....	3	...	3
Crosbie.....	...	3	3	Gordon.....	6	...	6
Eldon Place .....	4	...	4	Hampton.....	1	2	3
Ennerdale .....	3	...	3	Luton .....	3	...	3
Gay .....	1	2	3	Mann.....	...	3	3
Gerard .....	3	...	3	Salisbury .....	4	...	4
Gildart's Gardens.....	...	4	4	Seacome .....	3	...	3
Henry Edward .....	1	3	4	Shelley.....	3	...	3
Hornby .....	...	5	5				
Kew .....	2	1	3				
Kitchen.....	2	1	3				
Leeds .....	3	1	4				
Limekiln Lane.....	5	1	6				

Occupations of Persons who (either themselves or members of their family) have died from Typhus and Infantile Fever in the Workhouses or Hospitals of the Borough, tabulated into Wards from whence they came, during the Year 1870.

## LIVERPOOL WORKHOUSE.

OCCUPATIONS.	WARDS.												TOTAL.			
	Scotland.	Vauxhall.	St. Paul's.	Exchange.	St. Anne's.	Lime Street.	Castle Street.	St. Peter's.	Pitt Street.	Great George.	Rodney Street.	Abercromby.	Everton and Kirkdale.	West Derby.	Unknown.	
Labourers .....	17	4	5	8	8	4	1	1	3	3	2	3	2	10	73	
Tradesmen.....	3	4	3	2	5	2	...	1	...	1	2	1	3	3	7	37
Servants.....	1	...	...	4	...	...	...	1	...	1	1	1	...	2	10	
Seamen and Soldiers .....	2	2	...	2	1	...	...	2	...	1	...	1	...	3	14	
Unknown .....	1	...	1	1	...	...	...	...	...	1	1	1	1	1	6	
Males .....	12	4	6	6	7	3	1	1	4	4	2	2	5	4	17	78
Females .....	11	7	2	7	12	3	...	1	2	...	4	3	3	1	6	62
Total .....	23	11	8	13	19	6	1	2	6	4	6	5	8	5	23	140

## ROYAL INFIRMARY,

One Female, unknown.

## ASHFIELD HOSPITAL,

One Female, unknown.

## EVERTON HOSPITAL.

OCCUPATIONS.	Unknown.	Total.
Tradesmen.....	1	1
Servants.....	1	1
Unknown .....	1	1
Males .....	1	1
Females .....	2	2
Total.....	3	3

## KIRKDALE HOSPITAL.

OCCUPATIONS.	WARDS.					Total.
	Vauxhall	St. Paul's	St. Anne's	Gt. George	Everton and Kirkdale	
Labourers .....	2	1	1	3	..	7
Servants .....	..	1	1	1	1	4
Males .....	1	..	1	1	..	3
Females .....	1	2	1	3	1	8
Total .....	2	2	2	4	1	11

## UNION WORKHOUSE.

OCCUPATIONS.	WARDS.				TOTAL.
	Everton and Kirkdale.	West Derby.	Unknown.		
Labourers .....	2	1	..	..	3
Servants .....	..	..	1	..	1
Males .....	2	1	..	..	3
Females .....	..	..	1	..	1
Total .....	2	1	1	..	4

Occupations of Persons who (either themselves or members of their family) have died from Typhus and Infantile Fever in the different Wards of the Borough during the Year 1870. (Not included in the foregoing Tables of Deaths in Workhouses and Hospitals.)

OCCUPATIONS.	WARDS.												TOTAL.				
	Scotland.	Vauxhall.	St. Paul's.	Exchange.	St. Ann's.	Lime Street.	Castle Street.	St. Peter's.	Pitt Street.	Great George.	Rodney Street	Abercromby.	Everton and Kirkdale.	West Derby.	North Toxteth.	South Toxteth.	
Labourers .....	55	12	7	3	17	3	...	2	1	4	2	4	24	9	22	8	173
Tradesmen .....	30	14	6	2	18	8	2	2	3	3	1	7	53	17	19	12	197
Servants .....	...	...	...	...	...	...	...	1	...	...	1	...	1	1	1	...	5
Seamen .....	7	...	2	...	3	...	...	1	1	...	...	9	...	1	1	1	25
Soldiers .....	1	...	...	...	1	...	...	...	...	...	...	2	...	...	1	1	5
Professions and Mercantile .....	...	...	...	...	...	...	...	...	...	2	1	1	...	1	...	5	
Unknown .....	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	2	
Males .....	52	10	4	2	21	7	...	2	3	6	1	8	47	16	24	10	213
Females .....	41	16	11	3	18	4	2	3	2	2	5	4	45	11	20	12	199
Total .....	93	26	15	5	39	11	2	5	5	8	6	12	92	27	44	22	412

#### TOXTETH WORKHOUSE.

Not included in the Mortality of the Borough, being beyond the Municipal Boundaries.

OCCUPATIONS.	WARDS.			TOTAL.
	Everton and Kirkdale.	South Toxteth.	Unknown.	
Labourers .....	...	4	1	5
Tradesmen .....	...	1	1	2
Servants .....	...	1	...	1
Soldiers .....	1	...	...	1
Unknown .....	...	...	...	...
Males.....	1	1	1	3
Females.....	...	5	1	6
Total .....	1	6	2	9

#### RELAPSING FEVER.

Relapsing Fever occasioned 355 deaths, or 203 in the Parish, and 152 in the Out-Townships. The rate of its mortality was equal to 0·68 per 1000 of the estimated population of the Borough; its per-centge rate relatively to deaths from all causes was 2·2, and relatively to deaths from Zymotic diseases was 7·5.

The first of the following tables gives a statistical history of the mortality of Relapsing Fever; the second is a record of the streets of the Borough, wherein three or more deaths occurred; and the remaining tables show the condition of life of the sufferers from this disease:—

WARDS.	QUARTERS.								YEAR.		
	March.		June.		Sept.		Dec.				
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	TOTAL.
Scotland .....	{ Below 5 years...	...	...	...	2	1	5	5	7	6	13
	{ Above 5 years...	...	...	...	1	2	11	11	12	13	25
Vauxhall .....	{ Below 5 years...	...	1	1	3	1	3	4	7	6	13
	{ Above 5 years...	...	1	...	2	5	12	6	14	12	26
St. Paul's .....	{ Below 5 years...	...	...	...	...	1	...	2	...	3	3
	{ Above 5 years...	...	...	...	1	...	...	5	1	5	6
Exchange .....	{ Below 5 years...	...	...	...	2	1	4	2	6	3	9
	{ Above 5 years...	...	1	...	...	3	7	6	7	10	17
St. Anne's .....	{ Below 5 years...	...	...	...	...	...	1	2	1	2	3
	{ Above 5 years...	...	...	...	1	...	2	2	3	2	5
Lime Street .....	{ Below 5 years...	...	...	...	...	1	...	...	...	1	1
	{ Above 5 years...	...	...	...	...	...	...	...	...	...	...
Castle Street.....	{ Below 5 years...	...	...	...	...	...	...	...	...	...	...
	{ Above 5 years...	...	...	...	...	...	...	...	...	...	...
St. Peter's .....	{ Below 5 years...	...	...	...	...	...	...	...	...	...	...
	{ Above 5 years...	...	...	...	...	...	...	2	...	2	2
Pitt Street.....	{ Below 5 years...	...	...	...	...	...	...	...	...	...	...
	{ Above 5 years...	...	...	...	1	...	...	1	1	1	2
Great George .....	{ Below 5 years...	...	...	...	...	...	...	...	...	...	...
	{ Above 5 years...	...	...	...	...	...	1	2	1	2	3
Rodney Street .....	{ Below 5 years...	...	...	...	...	...	...	...	...	...	...
	{ Above 5 years...	...	...	...	...	...	...	1	...	1	1
Abercromby .....	{ Below 5 years...	...	...	...	...	...	...	...	...	...	...
	{ Above 5 years...	...	...	...	1	1	...	...	1	1	2
Parish Workhouses.....	{ Below 5 years...	...	...	...	...	1	1	...	1	1	2
and Hospitals .....	{ Above 5 years...	...	...	...	4	15	20	30	24	45	69
Out Townships, Work-	{ Below 5 years...	...	...	...	1	2	5	...	6	2	8
houses and Hospitals.	{ Above 5 years...	...	...	...	8	10	46	31	54	41	95
Everton and Kirkdale...	{ Below 5 years...	...	...	...	...	...	1	1	1	1	2
	{ Above 5 years...	...	1	...	...	2	4	3	5	5	10
West Derby .....	{ Below 5 years...	...	...	1	...	...	2	...	...	1	1
	{ Above 5 years...	...	...	...	...	...	2	...	...	2	2
North Toxteth.....	{ Below 5 years...	...	...	...	...	...	1	1	1	1	2
	{ Above 5 years...	...	...	...	...	3	6	5	6	8	14
South Toxteth .....	{ Below 5 years...	...	...	...	...	...	1	1	1	1	2
	{ Above 5 years...	...	...	...	...	7	9	7	9	9	16
Parish.....	{ Below 5 years...	...	1	1	8	6	13	16	22	23	45
	{ Above 5 years...	...	2	...	11	26	53	66	64	94	158
Out Townships .....	{ Below 5 years...	...	...	1	1	2	8	3	9	6	15
	{ Above 5 years...	...	1	...	8	17	63	48	72	65	137
Borough.....	{ Below 5 years...	...	1	2	9	8	21	19	31	29	60
	{ Above 5 years...	...	2	1	19	43	116	114	136	159	295

List of Streets in the Borough wherein Three or more Deaths from Relapsing Fever occurred during 1870.

STREETS IN THE PARISH.	HOUSES.		Total.	STREETS IN THE PARISH.	HOUSES.		Total.
	Front.	Court.			Front.	Court.	
Addison .....	6	2	8	Leeds .....	2	1	3
Back Portland .....	4	...	4	Limekiln Lane .....	4	...	4
Banastre .....	2	2	4	Midghall.....	2	2	4
Brick .....	...	3	3	Milton.....	1	7	8
Burnet.....	...	3	3	Naylor .....	1	5	6
Cavendish .....	4	2	6	Newsham .....	...	3	3
Charter .....	...	3	3	Oriel .....	1	4	5
Circus .....	2	1	3	Pall Mall.....	1	2	3
Dryden .....	2	2	4	Paul.....	1	2	3
Edgar .....	2	1	3	Penrhyn .....	...	3	3
Epsom .....	3	...	3	Portland .....	3	...	3
Fontenoy .....	4	2	6	Sawney Pope.....	5	4	9
Ford .....	3	3	6	St. Andrew.....	1	3	4
Gascoyne.....	3	4	7	Stockdale .....	...	4	4
Gildart's Gardens .....	1	2	3	Westmoreland .....	2	1	3
Hare Place .....	...	3	3	STREETS IN THE OUT TOWNSHIPS.			
Hodson .....	3	1	4	Henderson .....	5	...	5
Hornby .....	2	1	3	Mann .....	2	2	4
Johnson .....	2	1	3	Prince William .....	2	4	6
Kew.....	1	3	4	Sussex .....	3	...	3
Lace.....	3	7	10				

Occupations of persons who (either themselves or members of their family) have died from Relapsing Fever in the different Workhouses or Hospitals of the Borough, tabulated into Wards from whence they came, during the year 1870.

LIVERPOOL WORKHOUSE.

OCCUPATIONS.	WARDS.										Total.		
	Scotland.	Vauxhall.	St. Paul's.	Exchange.	St. Anne's.	Lime Street.	Pitt Street.	Gt. George.	Abercromby.	Everton and Kirkdale.	West Derby.	North Toxteth.	
Labourers .....	7	6	...	2	...	1	1	3	1	...	...	4	25
Tradesmen.....	2	3	...	...	6	2	1	1	2	...	...	4	21
Servants .....	1	1	...	...	1	...	...	...	1	...	1	1	6
Seamen .....	...	2	1	...	...	...	1	2	...	...	...	...	6
Soldiers .....	...	...	1	...	...	...	...	...	...	...	...	...	1
Unknown.....	...	...	1	...	...	...	...	...	...	...	...	1	2
Males .....	4	2	2	...	4	1	2	2	2	...	...	4	23
Females .....	6	10	1	2	3	2	1	4	2	...	1	6	38
Total .....	10	12	3	2	7	3	3	6	4	...	1	10	61

## ASHFIELD HOSPITAL.

OCCUPATIONS.	WARDS.	Total.
	Unknown.	
Labourers.....	4	4
Tradesmen.....	1	1
Unknown .....	6	6
Males.....	..	..
Females .....	ii	ii
Total.....	11	11

## EVERTON HOSPITAL.

OCCUPATIONS.	WARDS		Total.
	Vauxhall.	Everton and Kirkdale.	
Tradesmen .....	1	...	1
Unknown.....	...	i	1
Males .....	1	...	1
Females .....	...	i	1
Total.....	1	1	2

## KIRKDALE HOSPITAL.

OCCUPATIONS.	WARDS.									Total.
	Scotland.	Vauxhall.	St. Paul's.	Exchange.	St. Anne's.	Lime Street.	Pitt Street.	Gt. George.	Unknown.	
Labourers .....	20	22	4	3	5	1	1	1	4	61
Tradesmen.....	5	5	...	3	5	...	1	...	1	20
Servants.....	1	1	...	...	...	...	...	...	...	2
Seamen .....	2	1	...	...	...	...	2	...	...	5
Unknown.....	1	6	...	...	...	...	...	1	3	11
Males.....	21	19	4	3	5	1	3	...	3	59
Females .....	8	16	...	3	5	...	1	2	5	40
Total .....	29	35	4	6	10	1	4	2	8	99

## UNION WORKHOUSE.

OCCUPATIONS.	WARDS.		Total.
	Everton and Kirkdale.	West Derby.	
Tradesmen .....	1	1	2
Males .....	...	...	...
Females .....	1	1	2
Total .....	1	1	2

Occupations of Persons who (either themselves or members of their family) have died from Relapsing Fever in the different Wards of the Borough during the Year 1870. (Not included in the foregoing Tables of Deaths in Workhouses and Hospitals.)

	WARDS.												Total.			
	Scotland.	Vauxhall.	St. Paul's.	Exchange.	St. Anne's.	Lime Street.	St. Peter's.	Pitt Street.	Great George.	Rodney Street.	Abercromby.	Everton and Kirkdale.	West Derby.	North Toxteth.	South Toxteth,	
OCCUPATIONS.																
Labourers .....	20	31	6	19	4	...	1	3	...	1	4	1	3	7	100	
Tradesmen .....	12	8	2	6	2	1	2	...	...	1	6	2	9	9	60	
Servants .....	2	...	1	1	1	...	...	...	1	...	...	...	...	...	5	
Seamen .....	4	...	1	...	1	...	...	1	...	...	1	...	3	...	11	
Soldiers .....	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	
Professions and Mercantile .....	...	...	...	...	...	...	...	...	...	...	1	...	1	...	2	
Unknown .....	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	
Males .....	19	21	1	13	5	...	1	1	...	1	6	...	7	9	84	
Females .....	19	18	8	13	3	1	2	1	2	1	6	3	9	9	96	
Total.....	38	39	9	26	8	1	2	2	3	1	2	12	3	16	18	180

### TOXTETH WORKHOUSE.

Not included in the Mortality of the Borough, being beyond the Municipal Boundaries.

OCCUPATIONS.	WARDS.		TOTAL.
	North Toxteth.	South Toxteth.	
Labourers .....	...	5	5
Tradesmen .....	1	3	4
Seamen .....	...	1	1
Males .....	...	5	5
Females .....	1	4	5
Total.....	1	9	10

## SCARLATINA.

Scarlatina accounted during the year for 1,278 deaths, or for 542 in the Parish, and 736 in the Out-townships. The rate of its mortality was equal to 2 per 1,000 per annum of the estimated population. Its rate relatively to deaths from all causes was 6.6 per cent. in the first quarter, 5.9 in the second, 6.9 in the third, and 11.0 in the fourth quarter of the year ; its annual rate relatively to all deaths was 7.9 per cent.

The first of the following tables gives a statistical history of the mortality of Scarlatina during the year 1870 ; the second is a record of the streets of the Borough wherein 3 or more deaths occurred from Scarlatina ; and I have added a third table showing the position of Scarlatina within the Borough of Liverpool during the previous twenty-two years.

WARDS.	QUARTERS.								YEAR.			
	March.		June.		Sept.		Dec.					
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	Total.	
Scotland .....	{ Below 5 years...	17	23	12	14	24	22	37	39	90	98	188
	Above 5 years...	4	3	2	5	3	2	12	13	21	23	44
Vauxhall .....	{ Below 5 years...	2	3	...	2	2	1	3	4	7	10	17
	Above 5 years...	1	...	...	1	...	...	1	...	2	1	3
St. Paul's .....	{ Below 5 years...	2	2	...	1	1	1	2	2	5	6	11
	Above 5 years...	...	1	...	...	1	...	1	...	2	1	3
Exchange .....	{ Below 5 years...	...	1	2	2	...	1	1	3	3	7	10
	Above 5 years...	...	1	...	...	1	...	2	...	4	4	4
St. Anne's.....	{ Below 5 years...	2	4	4	3	4	3	11	7	21	17	38
	Above 5 years...	...	3	...	...	...	2	4	1	4	6	10
Lime Street.....	{ Below 5 years...	1	1	4	...	7	1	7	6	19	8	27
	Above 5 years...	...	...	...	1	...	...	...	5	...	6	6
Castle Street.....	{ Below 5 years...	1	...	...	...	...	...	...	1	1	1	2
	Above 5 years...	1	...	...	...	...	...	...	...	1	...	1
St. Peter's.....	{ Below 5 years...	1	2	1	1	...	1	1	4	3	8	11
	Above 5 years...	...	...	...	...	...	...	1	1	1	1	2
Pitt Street .....	{ Below 5 years...	1	...	4	3	5	5	5	6	15	14	29
	Above 5 years...	...	...	...	...	3	...	1	1	4	1	5
Great George .....	{ Below 5 years...	4	1	...	2	13	9	12	13	29	25	54
	Above 5 years...	...	...	1	1	1	3	5	6	7	10	17
Rodney Street .....	{ Below 5 years...	...	2	4	1	2	1	...	1	6	5	11
	Above 5 years...	1	1	...	...	1	...	2	3	4	4	8
Abercromby .....	{ Below 5 years...	1	2	3	2	5	4	5	4	14	12	26
	Above 5 years...	1	1	1	...	...	...	3	2	5	3	8
Parish Workhouses and Hospitals.....	{ Below 5 years...	1	...	1	...	...	...	1	1	3	1	4
	Above 5 years...	1	2	...	...	...	...	...	...	1	2	3
Out Townships Work-houses and Hospitals.....	{ Below 5 years...	...	...	...	...	...	1	...	...	...	1	1
	Above 5 years...	1	...	...	...	...	1	1	...	2	1	3
Everton and Kirkdale...	{ Below 5 years...	28	29	16	19	26	17	36	38	106	103	209
	Above 5 years...	6	11	3	4	5	5	12	9	26	29	55
West Derby.....	{ Below 5 years...	9	9	6	6	8	7	21	22	44	44	88
	Above 5 years...	1	2	2	2	1	5	7	4	11	13	24
North Toxteth.....	{ Below 5 years...	15	10	8	8	10	16	26	25	59	59	118
	Above 5 years...	3	3	2	1	10	7	12	3	27	14	41
South Toxteth.....	{ Below 5 years...	10	5	16	12	19	22	34	34	79	73	152
	Above 5 years...	3	3	...	1	5	10	11	12	19	26	45
Parish .....	{ Below 5 years...	33	41	35	31	63	49	85	91	216	212	428
	Above 5 years...	9	12	4	8	9	8	30	34	52	62	114
Out Townships.....	{ Below 5 years...	62	53	46	45	63	63	117	119	288	280	568
	Above 5 years...	14	19	7	8	21	28	43	28	85	83	168
Borough .....	{ Below 5 years...	95	94	81	76	126	112	202	210	504	492	996
	Above 5 years...	23	31	11	16	30	36	73	62	137	145	282

List of Streets in the Borough wherein Three or more Deaths from  
Scarlatina occurred in 1870.

STREETS IN THE PARISH.	HOUSES.		Total.	STREETS IN THE PARISH.	HOUSES.		Total.
	Front.	Court.			Front.	Court.	
Ascot .....	5	...	5	Upper Frederick .....	8	2	10
Athol .....	6	...	6	Vauxhall Road .....	3	...	3
Back Seel.....	3	...	3	Villars.....	3	...	3
Barmouth .....	4	...	4	Virgil .....	...	3	3
Bevington Hill .....	2	1	3	Walter .....	1	2	3
Birkett .....	...	4	4	Westmorland Place.....	3	...	3
Blandford .....	3	1	4	Wilbraham.....	3	...	3
Blenheim .....	1	6	7	Wright .....	1	6	7
Blundell .....	1	2	3	STREETS IN THE OUT TOWNSHIPS.			
Bolton.....	2	1	3	Adelaide .....	3	...	3
Bostock .....	4	1	5	Arkwright .....	3	1	4
Brick .....	3	2	5	Bamber .....	4	...	4
Bridgewater.....	6	...	6	Beacon Lane.....	3	...	3
Burlington .....	2	7	9	Beaufort .....	9	...	9
Canterbury .....	3	1	4	Beresford Road .....	3	...	3
Caradoc.....	3	...	3	Bevin Lane.....	2	1	3
Chaucer .....	1	3	4	Blair .....	...	3	3
Clare .....	1	3	4	Brassey .....	...	5	5
Denbigh.....	3	...	3	Breck Road.....	5	...	5
Dryden .....	1	2	3	Britton .....	...	3	3
Duckinfield .....	1	2	3	Byles .....	3	...	3
Eldon .....	1	2	3	Cardwell .....	3	...	3
Epsom .....	3	...	3	Caryl .....	3	...	3
Gascoyne .....	3	...	3	Clive .....	2	1	3
Gill .....	3	...	3	Combermere .....	...	4	4
Great Howard .....	3	2	5	Conway .....	8	...	8
Greenland .....	5	...	5	Cooper .....	2	1	3
Henry .....	4	...	4	Cornwall .....	3	...	3
Hilbre .....	4	...	4	Darnley .....	6	7	13
Hopwood .....	2	2	4	Derby Road .....	3	...	3
Hornby .....	5	10	15	Dodge .....	3	...	3
Jordan.....	6	...	6	Eden .....	3	...	3
Kent .....	1	3	4	Edinburgh .....	3	...	3
Kitchen .....	8	2	10	Elias .....	6	...	6
Latimer .....	3	4	7	Ellison .....	3	...	3
Lawrence .....	3	...	3	Essex .....	3	...	3
Limekiln Lane .....	5	...	5	Ethiopia .....	4	...	4
Louis .....	3	...	3	Field .....	4	...	4
Marlborough .....	2	1	3	Fisher .....	...	3	3
New Hall .....	3	...	3	Fletcher .....	6	...	6
Nicholas .....	2	1	3	Garibaldi .....	3	...	3
Norfolk .....	2	1	3	Gaskell .....	3	...	3
Nursery .....	3	...	3	Godwin .....	3	...	3
Penrhyn .....	2	1	3	Gordon .....	4	...	4
Rachel .....	4	3	7	Gore .....	3	5	8
Raffles .....	2	1	3	Goring .....	3	...	3
Rathbone .....	2	2	4	Grafton .....	6	1	7
Raymond .....	3	1	4	Grey .....	3	...	3
Richmond Row .....	2	3	5	Guest .....	6	...	6
Rose Place .....	3	1	4	Haddock .....	4	...	4
St. Andrew.....	4	5	9	Harding .....	3	2	5
St. James .....	2	1	3	Henderson .....	1	2	3
Saltney .....	3	2	5	High .....	6	...	6
Shaw's Alley.....	3	...	3	Hill .....	4	2	6
Sherwood .....	4	...	4	Hughson .....	3	1	4
Skelhorne .....	1	3	4	Hyslop .....	2	4	6
Sumner.....	3	3	6				
Tenterden .....	3	...	3				

List of Streets in the Borough wherein Three or more Deaths from  
Scarlatina occurred in 1870.—*Continued.*

STREETS IN THE OUT TOWNSHIPS.	HOUSES.			Total.	STREETS IN THE OUT TOWNSHIPS.	HOUSES.			Total.
	Front.	Court.	Total.			Front.	Court.	Total.	
Jenner.....	4	...	4		Prince William .....	...	5	5	
Kensington.....	3	1	4		Prophet .....	2	3	5	
Lamport .....	3	...	3		Robsart.....	4	1	5	
Lancaster .....	3	...	3		Rutter .....	2	1	3	
Lansdowne .....	4	...	4		Salisbury.....	1	3	4	
Lissant.....	4	...	4		Shaftesbury .....	1	3	4	
Llanrwst .....	...	4	4		Smithdown Lane .....	4	...	4	
Low Wood .....	1	3	4		South.....	3	...	3	
Major .....	3	...	3		Spencer.....	3	...	3	
Mann .....	5	7	12		Stanhope.....	5	4	9	
Mason .....	2	1	3		Tamworth .....	3	...	3	
Miles.....	3	1	4		Threlfall .....	2	1	3	
Mill .....	9	2	11		Towson.....	3	...	3	
Netherfield Road North...	3	...	3		Upper Beau.....	4	...	4	
Northumberland .....	3	4	7		Upper Essex .....	3	...	3	
Opie.....	4	...	4		Upper Harrington.....	3	2	5	
Park Place .....	3	1	4		Victoria.....	4	...	4	
Park Road .....	5	...	5		Warwick.....	4	1	5	
Park .....	6	...	6						

SCARLATINA FROM 1848 TO 1870 INCLUSIVE.

YEARS.	DEATHS FROM SCARLATINA.				TOTAL.	Per cent. per annum of Scarlatina deaths to total deaths	Per cent. per annum of Scarlatina deaths to Zymotics.	Scarlatina deaths per 10,000 of the population
	First Quarter.	Second Quarter.	Third Quarter.	Fourth Quarter.				
1848	151	215	521	628	1515	12·9	35·1	43·7
1849	174	56	38	49	317	1·9	12·1	8·8
1850	21	21	46	152	240	2·5	9·2	6·5
1851	102	122	271	462	957	8·6	27·4	25·4
1852	233	181	132	147	693	6·2	20·0	18·1
1853	51	49	47	86	233	2·2	9·2	6·0
1854	42	32	79	162	315	2·2	6·5	7·8
1855	79	68	211	447	805	6·3	24·8	20·0
1856	200	90	124	228	642	5·5	20·9	15·6
1857	119	94	179	369	761	5·9	21·8	18·3
1858	255	169	281	482	1187	8·5	27·8	28·1
1859	187	63	82	68	400	3·4	14·5	9·3
1860	27	17	32	88	164	1·4	8·4	3·7
1861	44	32	34	106	216	1·7	7·4	4·8
1862	84	93	278	579	1034	7·5	27·4	22·9
1863	213	151	200	176	740	4·8	16·5	16·1
1864	90	50	85	124	349	2·1	7·2	7·4
1865	72	32	121	281	506	2·9	9·1	10·6
1866	198	205	242	341	986	4·3	12·7	20·4
1867	182	145	148	221	696	4·8	19·3	14·1
1868	109	98	98	151	456	3·1	11·5	9·1
1869	98	161	302	481	1042	7·0	24·6	20·5
1870	243	184	304	547	1278	7·9	27·0	24·6

## MEASLES

Occasioned 226 deaths, of which 148 occurred in the Parish, and 78 in the Out-townships. Its per-cent age death-rate relatively to deaths from all causes was 0·7 in the first quarter of the year, 1·1 in the second, 1·0 in the third, and 2·3 in the fourth ; its annual per-cent age rate relatively to deaths from all causes was 1·4, and relatively to deaths from Zymotic causes 4·7.

WARDS.	QUARTERS.								YEAR.			
	March		June.		Sept.		Dec.					
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	TOTAL.	
Scotland .....	{ Below 5 years ...	1	3	1	2	4	5	27	21	33	31	64
	Above 5 years ...	...	...	...	...	...	...	...	...	...	...	...
Vauxhall.....	{ Below 5 years ...	2	2	4	3	6	2	4	3	16	10	26
	Above 5 years ...	...	...	...	...	...	...	...	...	...	...	...
St. Paul's.....	{ Below 5 years ...	...	...	...	1	...	1	1	1	1	3	4
	Above 5 years ...	...	...	...	...	...	...	...	...	...	...	...
Exchange .....	{ Below 5 years ...	...	1	2	2	...	1	...	...	2	4	6
	Above 5 years ...	...	...	1	...	...	...	...	...	1	...	1
St. Anne's .....	{ Below 5 years ...	1	2	3	1	1	5	4	4	9	12	21
	Above 5 years ...	...	...	...	...	...	...	...	...	...	...	...
Lime Street .....	{ Below 5 years ...	...	1	...	...	...	...	...	1	...	2	2
	Above 5 years ...	...	...	...	...	...	...	...	...	...	...	...
Castle Street .....	{ Below 5 years ...	...	...	...	...	...	...	...	...	...	...	...
	Above 5 years ...	...	...	...	...	...	...	...	...	...	...	...
St. Peter's .....	{ Below 5 years ...	...	...	...	...	...	...	...	...	...	...	...
	Above 5 years ...	...	...	...	...	...	...	...	...	...	...	...
Pitt Street .....	{ Below 5 years ...	...	...	...	...	...	...	...	1	1	1	2
	Above 5 years ...	...	...	...	...	...	...	...	1	...	1	1
Great George.....	{ Below 5 years]	...	...	...	...	1	...	...	...	1	...	1
	Above 5 years ...	...	...	...	...	...	...	...	...	...	...	...
Rodney Street .....	{ Below 5 years ...	...	...	...	...	2	...	...	...	2	...	2
	Above 5 years ...	1	...	...	...	...	...	...	...	1	...	1
Abercromby .....	{ Below 5 years ...	...	...	1	3	1	...	...	1	2	4	6
	Above 5 years ...	...	...	...	...	...	...	...	...	...	...	...
Parish Workhouses and Hospitals .....	{ Below 5 years ...	...	3	2	2	1	...	2	1	5	6	11
	Above 5 years ...	...	...	...	...	...	...	...	...	...	...	...
Out Township Work- houses and Hospitals	{ Below 5 years ...	...	...	...	...	...	...	...	...	...	...	...
	Above 5 years ...	...	...	...	...	...	...	...	...	...	...	...
Everton and Kirkdale	{ Below 5 years ...	4	6	3	4	4	6	6	7	17	23	40
	Above 5 years ...	...	...	...	...	...	...	2	...	2	...	2
West Derby.....	{ Below 5 years ...	1	1	...	...	1	2	6	8	8	11	19
	Above 5 years ...	...	...	...	...	...	...	...	...	...	...	...
North Toxteth .....	{ Below 5 years ...	...	...	...	...	1	...	3	2	4	2	6
	Above 5 years ...	...	...	...	...	...	...	...	...	...	...	...
South Toxteth.....	{ Below 5 years ...	...	...	...	...	...	...	8	3	8	3	11
	Above 5 years ...	...	...	...	...	...	...	...	...	...	...	...
Parish .....	{ Below 5 years ...	4	12	13	14	16	14	39	33	72	73	145
	Above 5 years ...	1	...	1	...	...	...	1	...	3	...	3
Out Townships.....	{ Below 5 years ...	5	7	3	4	6	8	23	20	37	39	76
	Above 5 years ...	...	...	...	...	...	...	2	...	2	...	2
Borough .....	{ Below 5 years ...	9	19	16	18	22	22	62	53	109	112	221
	Above 5 years ...	1	...	1	...	...	...	3	...	5	...	5

## DIARRHŒA

Accounted for 1151 deaths, or for 628 in the Parish, and 523 in the Out-townships. Its per-cent age death-rate relatively to deaths from all causes was 1·5 in the first quarter of the year, 3·3 in the second, 20·6 in the third, and 1·6 in the fourth quarter of the year. Its annual per-cent age death-rate relatively to deaths from all causes was 7·2 and relatively to deaths from Zymotic causes 24·3

WARDS.	QUARTERS.								YEAR.			
	March.		June.		Sept.		Dec.					
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	TOTAL.	
Scotland .....	{ Below 5 years...	5	1	13	6	91	91	8	6	117	104	221
	{ Above 5 years...	1	...	1	...	2	4	1	...	5	4	9
Vauxhall .....	{ Below 5 years...	...	...	2	...	32	24	2	1	36	25	61
	{ Above 5 years...	...	...	...	...	2	3	...	...	2	3	5
St. Paul's .....	{ Below 5 years...	3	...	2	2	14	6	1	1	20	9	29
	{ Above 5 years...	...	...	...	...	2	...	1	...	3	...	3
Exchange .....	{ Below 5 years...	2	...	1	...	7	4	...	...	10	4	14
	{ Above 5 years...	1	...	...	...	...	...	...	...	1	...	1
St. Anne's .....	{ Below 5 years...	1	2	5	1	22	22	4	1	32	26	58
	{ Above 5 years...	...	...	...	1	2	1	...	...	2	2	4
Lime Street .....	{ Below 5 years...	...	...	3	1	12	10	...	1	15	12	27
	{ Above 5 years...	...	...	...	1	...	3	1	...	1	4	5
Castle Street.....	{ Below 5 years...	...	...	...	...	2	1	...	...	2	1	3
	{ Above 5 years...	1	...	...	...	...	...	...	...	1	...	1
St. Peter's.....	{ Below 5 years...	...	...	...	...	...	3	...	...	...	3	3
	{ Above 5 years...	...	...	...	...	3	...	1	...	4	...	4
Pitt Street .....	{ Below 5 years...	...	...	2	...	4	12	...	1	6	13	19
	{ Above 5 years...	1	...	...	...	1	...	...	...	2	...	2
Gt. George .....	{ Below 5 years...	1	...	3	1	12	14	2	2	18	17	35
	{ Above 5 years...	...	...	...	...	1	...	...	...	1	...	1
Rodney Street .....	{ Below 5 years...	...	...	1	1	5	17	1	2	7	20	27
	{ Above 5 years...	...	1	...	2	1	2	1	...	2	5	7
Abereromby .....	{ Below 5 years...	2	...	2	3	13	17	1	...	18	20	38
	{ Above 5 years...	...	2	...	...	1	...	...	...	1	2	3
Parish Workhouse and Hospitals .....	{ Below 5 years...	2	1	2	2	6	1	1	1	11	5	16
Out Townships Work-house and Hospitals..	{ Above 5 years...	10	2	2	1	5	6	2	4	19	13	32
	{ Below 5 years...	...	...	...	...	2	...	...	1	2	1	3
	{ Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
Everton and Kirkdale...	{ Below 5 years...	4	2	14	5	84	83	6	3	108	93	201
	{ Above 5 years...	...	2	...	1	3	4	...	1	3	8	11
West Derby .....	{ Below 5 years...	...	1	3	3	44	41	3	2	50	47	97
	{ Above 5 years...	...	1	1	...	1	1	...	...	2	2	4
North Toxteth.....	{ Below 5 years...	1	1	1	5	28	33	5	5	35	44	79
	{ Above 5 years...	...	1	2	...	1	3	2	...	5	4	9
South Toxteth .....	{ Below 5 years...	2	1	3	4	49	44	...	7	54	56	110
	{ Above 5 years...	2	1	...	4	1	...	1	6	3	9	
Parish .....	{ Below 5 years...	16	4	36	17	220	222	20	16	292	259	551
	{ Above 5 years...	14	5	3	5	20	19	7	4	44	33	77
Out Townships .....	{ Below 5 years...	7	5	21	17	207	201	14	18	249	241	490
	{ Above 5 years...	2	5	3	1	9	9	2	2	16	17	33
Borough .....	{ Below 5 years...	23	9	57	34	427	423	34	34	541	500	1041
	{ Above 5 years...	16	10	6	6	29	28	9	6	60	50	110

List of Streets in the Borough of Liverpool wherein Three or more Deaths from Diarrhoea occurred during the Year 1870.

STREETS IN THE PARISH.	HOUSES.			Total.	STREETS IN THE PARISH.	HOUSES.			Total.
	Front.	Court.	Total.			Front.	Court.	Total.	
Athol.....	3	...	3		Scotland Road.....	4	1	5	
Atkinson.....	2	1	3		Tatlock.....	3	3	6	
Back Portland.....	5	...	5		Upper Frederick.....	4	1	5	
Bispham.....	2	1	3		Vauxhall Road.....	4	4	8	
Blandford.....	3	2	5		Westmoreland.....	3	...	3	
Blenheim.....	3	1	4		Wright.....	1	3	4	
Blundell.....	2	2	4		STREETS IN THE OUT TOWNSHIPS.				
Bostock.....	4	1	5		Anthony.....	3	...	3	
Burlington.....	11	2	13		Arkwright.....	4	1	5	
Cavendish.....	2	1	3		Bamber.....	3	...	3	
Charter.....	3	1	4		Beaufort.....	6	...	6	
Chisenhale.....	1	4	5		Brindley.....	2	3	5	
Christian.....	1	2	3		Buckingham.....	3	...	3	
Circus.....	4	...	4		Byles.....	3	...	3	
Cranmer.....	3	...	3		Cardwell.....	3	...	3	
Crown.....	4	...	4		China.....	3	...	3	
Dryden.....	2	1	3		Clive.....	4	1	5	
Duckinfield.....	3	2	5		Cottenham.....	4	...	4	
Eldon.....	5	3	8		Elias.....	4	...	4	
Epsom.....	3	...	3		Fletcher.....	3	...	3	
Ford.....	3	1	4		Gordon.....	3	...	3	
Gerard.....	3	...	3		Gore.....	2	1	3	
Gildart's Gardens.....	2	3	5		Grafton.....	1	3	4	
Great Homer.....	3	...	3		Henderson.....	...	4	4	
Great Howard.....	3	1	4		Hill.....	2	2	4	
Hankin.....	3	...	3		Howe.....	3	...	3	
Hook.....	1	2	3		Jenkinson.....	1	3	4	
Hornby.....	4	2	6		Lissant.....	3	...	3	
Islington.....	3	...	3		Mann.....	2	6	8	
Kitchen.....	2	1	3		Mill.....	4	1	5	
Lawrence.....	4	...	4		Minto.....	3	...	3	
Limekiln Lane.....	2	2	4		Mount Vernon Road.....	2	1	3	
Louis.....	3	...	3		Netherfield Road North...	3	...	3	
Maguire.....	4	1	5		Park Road.....	3	2	5	
Naylor.....	2	2	4		Prince Edwin.....	2	2	4	
North.....	3	1	4		Prince William.....	4	1	5	
Oriel.....	2	1	3		Rockingham.....	3	...	3	
Paul.....	...	3	3		Rose Vale.....	2	2	4	
Plumbe.....	2	1	3		Saint Arnaud.....	3	...	3	
Portland.....	8	...	8		Shelley.....	2	1	3	
Rathbone.....	1	3	4		Stonewall.....	3	...	3	
Raymond.....	2	2	4		Victoria.....	6	...	6	
Saint Martin.....	1	3	4		Warwick.....	2	1	3	
Sawney Pope.....	1	3	4						
Silvester.....	1	2	3						
Skirving.....	3	...	3						

## DIARRHŒA IN DATES OF DEATH, 1870.

DATE. June.	No. of Deaths.	Mean Reading of Barometer.	Mean Temper- ature.	RAIN.			WIND.	
				Amount in inches.	Hours.	Days.	Mean Daily Velocity in Miles.	DIRECTION.
1	...	29·793	56·0	...	...	...	600	W
2	...	30·006	58·6	0·01	0·5	1	168	WNW
3	...	30·130	61·5	...	...	...	173	SE & Var
4	2	30·355	60·2	...	...	...	185	Var & NW
5	...	30·522	61·0	...	...	...	187	WNW
6	...	30·532	62·0	...	...	...	192	ESE & NW
7	2	30·473	61·9	...	...	...	228	E & NNW
8	2	30·219	59·9	...	...	...	322	W
9	3	29·900	54·6	...	...	...	622	WNW & W
10	...	29·713	57·1	...	...	...	643	W
11	2	29·774	54·6	0·21	6·1	1	744	WSW & WNW
12	...	30·055	56·6	0·08	4·4	1	415	Var & SW
13	1	30·125	60·2	...	...	...	418	WSW & SW
14	2	30·114	62·4	...	...	...	242	Var & SW
15	...	30·117	64·3	...	...	...	158	Var & NW
16	2	29·985	58·4	0·43	7·8	1	202	Var & N
17	3	29·909	57·0	...	...	...	432	WNW & W
18	2	30·000	61·7	0·09	1·8	1	360	SE & W
19	3	30·143	65·5	...	...	...	334	SSW & SW
20	1	30·228	65·1	...	...	...	444	W
21	3	30·306	68·1	...	...	...	146	Var & NW
22	4	30·297	59·9	...	...	...	295	WNW & NW
23	4	30·275	55·6	0·24	5·6	1	410	NW & WNW
24	1	30·015	56·4	0·03	0·3	1	778	W & WNW
25	1	30·116	57·8	...	...	...	672	WNW & W
26	...	30·010	54·5	0·08	3·5	1	842	W
27	7	30·018	57·2	...	...	...	600	WNW
28	3	30·148	57·3	...	...	...	497	WNW
29	2	30·130	56·0	...	...	...	566	WNW & W
30	5	30·092	55·2	0·05	0·9	1	641	WNW & W

## DIARRHŒA IN DATES OF DEATH, 1870.

DATE. July.	No. of Deaths.	Mean Reading of Barometer.	Mean Tempera- ture.	RAIN.			Mean Daily Velocity in Miles.	WIND. DIRECTION.
				Amount in inches.	Hours.	Days.		
1	5	30.043	55.2	...	...	...	706	WNW & W
2	4	30.023	56.4	0.01	0.5	1	600	WNW & W
3	...	29.923	58.9	0.25	9.5	1	238	WNW & Var
4	2	29.767	65.3	...	...	...	437	WSW & SW
5	1	29.857	60.3	0.01	1.2	1	511	WSW & SW
6	3	29.948	60.2	...	...	...	554	W
7	1	30.086	62.6	...	...	...	206	WSW & NW
8	2	30.001	66.8	...	...	...	230	Var
9	2	29.885	66.9	...	...	...	175	Var & NW
10	7	29.853	61.5	...	...	...	252	W & WNW
11	3	29.773	62.3	...	...	...	257	WNW
12	3	29.765	56.9	...	...	...	307	W & WNW
13	7	29.839	59.9	0.02	1.2	1	305	Var & W
14	2	30.013	63.1	...	...	...	295	Var
15	3	29.922	64.2	0.03	1.0	1	238	SSE & Var
16	5	29.864	61.6	0.07	1.4	1	425	Var & W
17	6	30.032	60.0	0.01	0.6	1	329	W & S
18	5	30.059	65.5	...	...	...	175	SSE & WNW
19	6	30.198	63.5	...	...	...	286	WSW & WNW
20	7	30.245	69.1	...	...	...	266	SSE & Var
21	10	30.151	65.1	...	...	...	482	SW & W
22	9	30.178	70.1	...	...	...	118	WSW & Var
23	7	30.066	72.4	...	...	...	427	SE & ESE
24	11	29.998	70.5	...	...	...	454	ESE & E
25	13	29.901	69.3	...	...	...	264	E & Var
26	12	30.030	62.5	...	...	...	607	WNW
27	13	30.146	64.5	...	...	...	276	Var
28	10	30.232	60.2	...	...	...	336	E & Var
29	10	30.201	61.4	...	...	...	298	ENE
30	24	30.055	64.3	0.01	0.4	1	254	ENE
31	18	29.878	70.6	...	...	...	326	ENE

## DIARRHŒA IN DATES OF DEATH, 1870.

DATE. August.	No. of Deaths.	Mean Reading of Barometer.	Mean Tempe- rature.	RAIN.			Mean Daily Velocity in Miles.	WIND. DIRECTION.
				Amount in inches.	Hours.	Days.		
1	25	29.872	67.7	...	...	...	204	ENE & Var
2	24	29.915	69.9	...	...	...	206	E & NNE
3	11	29.845	70.9	...	...	...	216	SSE & WSW
4	12	29.715	67.6	0.13	1.3	1	192	ESE & Var
5	12	29.699	63.9	0.54	1.2	1	204	SSW & Var
6	18	29.873	65.5	0.01	0.6	1	218	SSE
7	22	29.791	63.3	...	...	...	523	ESE & E
8	17	29.962	67.1	...	...	...	324	E & ENE
9	21	30.158	64.2	...	...	...	240	NE & NW
10	19	30.198	65.2	...	...	...	218	ENE & WNW
11	14	30.237	68.1	...	...	...	295	WNW
12	25	30.246	65.5	...	...	...	197	W & Var
13	17	30.309	61.7	...	...	...	290	ESE & Var
14	21	30.295	60.7	...	...	...	348	ENE & N
15	16	30.188	59.9	...	...	...	367	NE & ENE
16	23	30.150	61.4	...	...	...	211	NE & NNW
17	18	30.090	64.0	...	...	...	185	Var
18	18	29.950	57.8	0.03	0.3	1	502	WNW
19	18	29.965	56.8	0.12	1.0	1	410	Var & NW
20	17	30.100	57.1	...	...	...	264	Var & NW
21	14	30.193	58.1	...	...	...	259	Var & WNW
22	19	29.954	57.5	0.18	4.4	1	374	SW & WNW
23	19	29.853	59.4	0.03	0.5	1	492	WNW & W
24	13	29.898	60.4	...	...	...	682	WNW & W
25	17	29.960	58.0	0.05	0.7	1	708	WNW & W
26	11	29.934	56.0	0.18	0.9	1	463	Var & NW
27	10	29.888	56.7	0.79	11.8	1	290	WSW & Var
28	17	29.508	55.9	0.08	0.4	1	682	WSW & NW
29	10	29.888	55.1	0.07	0.3	1	470	NNW & WNW
30	12	30.193	56.0	...	...	...	266	Var & WNW
31	17	30.208	58.5	...	...	...	410	W

## DIARRHœA IN DATES OF DEATH, 1870.

DATE. Sept.	No. of Deaths.	Mean Reading of Barometer.	Mean Tempe- rature.	RAIN.			WIND.	
				Amount in inches.	Hours.	Days.	Mean Daily Velocity in Miles.	DIRECTION.
1	10	29.803	57.4	0.42	3.9	1	362	Var
2	13	29.391	61.0	...	...	...	511	W & SW
3	7	29.661	55.1	...	...	...	646	WNW & W
4	13	29.853	61.8	0.25	2.9	1	468	SW & SSW
5	9	29.543	56.5	0.19	1.4	1	434	S & SW
6	11	29.433	56.1	0.13	2.3	1	312	SSE & SSW
7	9	29.338	56.2	0.04	1.3	1	410	S & WNW
8	7	29.618	56.1	0.06	0.4	1	696	W
9	7	29.282	57.6	0.06	0.5	1	780	WSW
10	3	29.558	53.9	0.25	1.2	1	1150	W & WNW
11	7	30.112	53.7	...	...	...	276	WNW & NW
12	9	30.036	57.3	0.43	4.7	1	533	SSW & W
13	2	29.900	55.9	0.43	4.5	1	727	WSW & W
14	3	29.954	50.4	...	...	...	499	WNW & NW
15	1	30.270	56.0	0.03	1.2	1	271	Var & SE
16	8	30.427	57.1	0.04	1.6	1	214	SSE & Var
17	6	30.399	59.4	0.24	3.1	1	372	W
18	4	30.324	56.7	0.05	1.8	1	120	W & Var
19	7	30.295	58.8	...	...	...	338	SE
20	5	30.296	57.8	...	...	...	146	SE & WNW
21	6	30.308	60.8	...	...	...	168	Var
22	6	30.297	58.0	...	...	...	353	ESE
23	4	30.315	55.1	...	...	...	446	ESE
24	1	30.300	61.5	...	...	...	298	ESE & SE
25	3	30.321	56.8	...	...	...	295	SE & ESE
26	8	30.227	60.5	...	...	...	226	SE & Var
27	1	30.283	60.3	...	...	...	182	NNW & ESE
28	4	30.351	57.0	...	...	...	271	ESE & SSE
29	3	30.403	57.2	...	...	...	254	SE & ESE
30	3	30.475	52.3	...	...	...	331	SE

## DIARRHŒA IN DATES OF DEATH, 1870.

DATE. October	No. of Deaths.	Mean Reading of Barometer.	Mean Tempe- rature.	RAIN.			WIND.	
				Amount in inches.	Hours.	Days.	Mean Daily Velocity in Miles.	DIRECTION.
1	3	30·551	55·9	...	...	...	372	SE & ESE
2	...	30·509	55·4	...	...	...	300	E & ESE
3	3	30·498	54·6	...	...	...	300	ESE & Var
4	1	30·504	50·2	...	...	...	204	ESE & SE
5	1	30·339	48·0	...	...	...	317	SE & ESE
6	2	30·098	51·9	...	...	...	199	SE & ESE
7	1	29·716	52·4	0·55	12·2	1	413	ESE & E
8	...	29·124	50·1	0·07	2·9	1	298	ENE & Var
9	1	29·105	45·0	0·06	3·7	1	451	NNE & N
10	3	29·535	47·8	0·04	0·6	1	350	NNW & NW
11	1	29·840	48·7	0·15	2·3	1	288	W & WNW
12	1	29·254	52·7	0·58	9·3	1	893	ESE & SW
13	2	29·371	48·7	0·24	5·3	1	670	WNW & NNE
14	2	29·994	46·5	0·05	0·7	1	211	Var & WSW
15	...	29·893	51·4	0·42	5·3	1	276	Var & SSE
16	3	29·155	52·4	0·35	7·7	1	653	SSE & SW
17	1	29·413	46·6	0·05	1·1	1	1044	W
18	1	29·690	50·3	0·19	5·2	1	506	Var & SE
19	2	29·210	48·9	0·30	6·9	1	706	Var
20	2	29·335	50·3	0·27	3·0	1	1108	WSW & WNW
21	1	29·889	53·1	0·14	1·8	1	317	NW & Var
22	1	29·664	51·4	0·33	5·6	1	319	S & Var
23	2	28·835	50·9	0·32	6·3	1	422	Var & WSW
24	3	28·895	48·5	0·02	0·3	1	1135	W
25	...	29·408	48·5	0·03	0·4	1	706	WSW
26	...	29·463	48·1	0·09	2·1	1	511	SW & WSW
27	...	29·515	48·3	0·41	6·4	1	811	WSW & W
28	1	29·805	51·0	0·06	0·5	1	787	WNW & W
29	...	22·814	50·3	0·40	7·0	1	586	W & WNW
30	...	29·816	49·2	0·32	7·7	1	754	W & WSW
31	...	29·773	48·2	0·02	1·8	1	384	Var & NW

## HOOPING COUGH

Occasioned 451 deaths, or 236 in the Parish, and 215 in the Out-Townships. Its per centage death-rate relatively to deaths from all causes was 2·8, and relatively to deaths from Zymotic causes 9·5.

## DEATHS FROM HOOPING COUGH.

WARDS.	QUARTERS.								YEAR.			
	March.		June.		Sept.		Dec.					
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	TOTAL.	
Scotland .....	{ Below 5 years...	4	5	3	11	12	11	19	27	38	54	92
	Above 5 years...	...	...	...	...	...	...	...	1	...	1	1
Vauxhall .....	{ Below 5 years...	...	...	2	1	2	2	3	10	7	13	20
	Above 5 years...	...	1	...	...	...	...	...	...	...	1	1
St. Paul's .....	{ Below 5 years...	...	...	...	...	...	5	7	5	7	10	17
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
Exchange .....	{ Below 5 years...	...	1	...	...	1	...	4	3	5	4	9
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
St. Anne's .....	{ Below 5 years...	...	...	2	1	1	1	6	5	9	7	16
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
Lime Street .....	{ Below 5 years...	...	1	...	1	3	2	3	2	6	6	12
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
Castle Street.....	{ Below 5 years...	...	1	...	...	...	...	...	...	...	1	1
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
St. Peter's.....	{ Below 5 years...	...	...	...	2	1	1	...	1	1	4	5
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
Pitt Street.....	{ Below 5 years...	3	2	1	1	...	...	...	...	4	3	7
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
Great George .....	{ Below 5 years...	1	1	2	2	...	1	1	2	4	6	10
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
Rodney Street .....	{ Below 5 years...	...	1	2	4	4	4	1	3	7	12	19
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
Abercromby .....	{ Below 5 years...	1	1	2	2	1	9	...	3	4	15	19
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
Parish Workhouses and Hospitals .....	{ Below 5 years...	...	1	1	...	...	2	...	2	1	5	6
	Above 5 years...	...	...	...	...	...	1	...	...	...	1	1
Out Township Work-houses and Hospitals .....	{ Below 5 years...	...	...	...	...	...	...	...	...	...	...	...
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
Everton and Kirkdale ...	{ Below 5 years...	6	4	6	5	8	13	25	19	45	41	86
	Above 5 years...	1	...	1	...	...	...	...	...	2	...	2
West Derby .....	{ Below 5 years...	5	3	6	6	8	9	6	4	25	22	47
	Above 5 years...	...	...	...	...	1	...	...	...	1	...	1
North Toxteth.....	{ Below 5 years...	6	7	3	5	5	3	4	10	18	25	43
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
South Toxteth .....	{ Below 5 years...	4	3	2	2	6	7	6	6	18	18	36
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
Parish.....	{ Below 5 years...	9	14	15	25	25	38	44	63	93	140	233
	Above 5 years...	...	1	...	...	...	1	...	1	...	3	3
Out Townships.....	{ Below 5 years...	21	17	17	18	27	32	41	39	106	106	212
	Above 5 years...	1	...	1	...	1	...	...	3	...	3	3
Borough.....	{ Below 5 years...	30	31	32	43	52	70	85	102	199	246	445
	Above 5 years...	1	1	1	...	1	1	...	1	3	3	6

## DEATHS FROM SMALL POX.

WARDS.	QUARTERS.								YEAR.		
	March.		June.		Sept.		Dec.				
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	TOTAL.
Scotland.....	{ Below 5 years...	...	...	...	...	1	11	18	11	19	30
	{ Above 5 years...	...	...	...	...	8	5	8	5	13	
St. Paul's .....	{ Below 5 years...	...	...	...	...	...	1	...	1	...	1
	{ Above 5 years...	...	...	...	...	...	...	...	...	...	
St. Anne's .....	{ Below 5 years...	...	...	...	...	...	2	...	2	...	2
	{ Above 5 years...	...	...	...	...	...	...	...	...	...	
Lime Street.....	{ Below 5 years...	...	...	...	...	...	...	1	...	1	1
	{ Above 5 years...	...	...	...	...	...	...	...	...	...	
Great George.....	{ Below 5 years...	...	...	...	...	1	1	1	1	1	2
	{ Above 5 years...	...	...	...	...	...	1	...	1	1	1
Rodney Street .....	{ Below 5 years...	...	...	...	...	...	...	1	...	1	1
	{ Above 5 years...	...	...	...	...	...	...	...	...	...	
Abercromby .....	{ Below 5 years...	...	...	...	...	...	1	1	1	1	2
	{ Above 5 years...	...	...	...	...	...	...	...	...	...	
Parish Workhouses and Hospitals .....	{ Below 5 years...	...	...	...	...	3	6	3	6	9	
	{ Above 5 years...	...	...	...	...	11	8	11	8	19	
Out-Townships, Work- houses, and Hospitals	{ Below 5 years...	...	...	...	...	1	4	1	4	5	
	{ Above 5 years...	...	...	5	...	15	12	20	12	32	
Everton and Kirkdale...	{ Below 5 years...	...	...	2	2	16	8	18	10	28	
	{ Above 5 years...	...	...	...	9	16	9	16	16	25	
West Derby .....	{ Below 5 years...	...	...	...	...	...	1	1	1	1	2
	{ Above 5 years...	...	...	...	...	...	...	...	...	...	
South Toxteth .....	{ Below 5 years...	...	...	...	...	...	...	1	...	1	1
	{ Above 5 years...	...	...	...	...	...	...	...	...	...	
Parish .....	{ Below 5 years...	...	...	...	...	1	15	27	15	28	43
	{ Above 5 years...	...	...	...	...	23	15	23	15	38	
Out Townships .....	{ Below 5 years...	...	...	2	2	17	12	19	14	33	
	{ Above 5 years...	...	...	5	...	25	30	30	30	60	
Borough .....	{ Below 5 years...	...	...	2	3	32	39	34	42	76	
	{ Above 5 years...	...	...	5	...	48	45	53	45	98	

## DEATHS FROM CROUP.

WARDS.	QUARTERS.								YEAR.			
	March.		June.		Sept.		Dec.					
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	TOTAL.	
Scotland .....	{ Below 5 years...	2	2	1	...	8	2	7	8	18	12	30
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
Vauxhall .....	{ Below 5 years...	...	...	1	...	...	...	1	1	2	1	3
	Above 5 years...	...	...	...	...	...	...	...	1	...	1	1
St. Paul's .....	{ Below 5 years...	...	...	...	2	1	...	...	1	1	3	4
	Above 5 years...	...	...	...	...	...	...	1	...	1	...	1
Exchange .....	{ Below 5 years...	...	...	...	...	...	...	1	...	1	...	1
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
St. Anne's .....	{ Below 5 years...	1	...	...	...	...	...	3	...	4	...	4
	Above 5 years...	...	...	...	...	...	1	...	...	...	1	1
Lime Street .....	{ Below 5 years...	2	...	...	...	...	...	...	...	2	...	2
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
Castle Street .....	{ Below 5 years...	...	...	...	...	...	...	...	...	...	...	...
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
St. Peter's.....	{ Below 5 years...	...	1	1	...	...	1	...	...	1	2	3
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
Pitt Street .....	{ Below 5 years...	...	...	...	1	...	1	1	...	1	2	3
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
Great George.....	{ Below 5 years...	1	...	...	...	...	1	1	...	2	1	3
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
Rodney Street.....	{ Below 5 years...	3	2	2	2	...	...	...	...	5	4	9
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
Abercromby.....	{ Below 5 years...	1	2	...	...	...	...	...	...	1	2	3
	Above 5 years...	...	...	...	...	...	...	...	1	...	1	1
Parish Workhouses and Hospitals .....	{ Below 5 years...	...	...	2	3	...	1	2	...	4	4	8
	Above 5 years...	...	...	2	1	...	...	...	...	2	1	3
Out Township Work- houses and Hospitals.	{ Below 5 years...	...	...	...	...	...	...	...	...	...	...	...
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
Everton and Kirkdale...	{ Below 5 years...	7	1	2	4	8	7	5	9	22	21	43
	Above 5 years...	...	...	...	...	...	...	1	...	1	...	1
West Derby .....	{ Below 5 years...	3	...	2	1	1	3	1	2	7	6	13
	Above 5 years...	...	...	...	...	2	...	...	...	2	...	2
North Toxteth.....	{ Below 5 years...	2	2	2	2	1	...	3	4	8	8	16
	Above 5 years...	...	...	...	...	...	...	1	...	1	...	1
South Toxteth .....	{ Below 5 years...	3	2	...	...	4	4	5	2	12	8	20
	Above 5 years...	...	...	...	1	...	1	...	1	1	1	2
Parish .....	{ Below 5 years...	10	7	7	8	9	6	16	10	42	31	73
	Above 5 years...	...	...	2	1	...	1	1	2	3	4	7
Out Townships .....	{ Below 5 years...	15	5	6	7	14	14	14	17	49	43	92
	Above 5 years...	...	...	...	1	2	...	3	...	5	1	6
Borough .....	{ Below 5 years...	25	12	13	15	23	20	30	27	91	74	165
	Above 5 years...	...	...	2	2	2	1	4	2	8	5	13

## DEATHS FROM DIPHTHERIA.

WARDS.	QUARTERS.								YEAR.			
	March.		June.		Sept.		Dec.					
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	TOTAL.	
Scotland.....	{ Below 5 years...	1	1	1	1	...	1	1	3	3	6	9
	{ Above 5 years...	...	1	...	1	...	1	...	...	...	3	3
Exchange .....	{ Below 5 years...	...	...	...	...	...	1	...	...	...	1	1
	{ Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
St. Anne's .....	{ Below 5 years...	...	...	...	...	1	...	...	...	1	...	1
	{ Above 5 years...	...	1	...	...	...	...	...	...	1	...	1
Pitt Street.....	{ Below 5 years...	...	...	...	...	...	...	1	...	1	...	1
	{ Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
Great George.....	{ Below 5 years...	1	...	...	...	...	...	1	...	2	...	2
	{ Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
Rodney Street.....	{ Below 5 years...	...	1	...	...	...	...	3	...	4	...	4
	{ Above 5 years...	...	1	...	...	...	1	...	...	2	...	2
Abercromby .....	{ Below 5 years...	...	1	...	...	...	...	...	1	...	2	2
	{ Above 5 years...	...	1	...	...	...	...	...	...	1	...	1
Out Townships Work. houses and Hospital.	{ Below 5 years...	...	...	...	...	...	...	...	...	...	...	...
	{ Above 5 years...	...	...	...	...	...	...	1	...	1	...	1
Everton and Kirkdale.	{ Below 5 years...	...	1	2	...	...	1	2	3	3	3	6
	{ Above 5 years...	1	...	...	2	1	...	...	1	2	3	5
West Derby .....	{ Below 5 years...	1	...	...	...	...	2	...	...	1	2	3
	{ Above 5 years...	...	...	...	...	...	...	...	1	...	1	1
North Toxteth.....	{ Below 5 years...	2	..	2	1	...	2	...	1	4	4	8
	{ Above 5 years...	...	...	1	1	...	...	...	...	1	1	2
South Toxteth .....	{ Below 5 years...	1	...	1	...	...	1	...	3	2	4	6
	{ Above 5 years...	...	2	...	...	...	...	...	...	2	2	2
Parish.....	{ Below 5 years...	2	3	1	1	1	2	3	7	7	13	20
	{ Above 5 years...	...	4	...	1	...	2	...	...	7	7	7
Out-Townships.....	{ Below 5 years...	4	1	5	1	...	5	1	6	10	13	23
	{ Above 5 years...	1	2	1	3	1	...	1	2	4	7	11
Borough .....	{ Below 5 years...	6	4	6	2	1	7	4	13	17	26	43
	{ Above 5 years...	1	6	1	4	1	2	1	2	4	14	18

## OTHER ZYMATICS.

Under the term of other Zymotics are included:—Chicken Pox, Dysentery, Cholera, Influenza, Erysipelas, Syphilis, Thrush, Puerperal Fever, Rheumatic Fever, Quinsy, Ague, Mumps, Purpura, and Hydrocephalus.

## DEATHS FROM OTHER ZYMATICS.

WARDS.	QUARTERS.								YEAR.			
	March.		June.		Sept.		Dec.					
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	TOTAL.	
Scotland.....	{ Below 5 years...	5	3	5	7	5	7	7	3	22	20	42
	{ Above 5 years...	1	...	1	...	2	2	2	...	6	2	8
Vauxhall .....	{ Below 5 years...	...	...	1	1	...	...	...	1	1	2	3
	{ Above 5 years...	...	...	1	...	...	...	...	1	...	2	2
St. Paul's .....	{ Below 5 years...	...	...	...	...	...	...	...	...	...	...	...
	{ Above 5 years...	...	...	...	...	2	...	...	1	2	1	3
Exchange .....	{ Below 5 years...	...	...	...	...	1	1	2	...	3	1	4
	{ Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
St. Anne's .....	{ Below 5 years...	2	2	3	2	3	3	...	...	8	7	15
	{ Above 5 years...	...	1	...	...	...	2	1	1	1	4	5
Lime Street .....	{ Below 5 years...	...	...	...	...	2	...	...	...	2	...	2
	{ Above 5 years...	...	...	1	1	2	1	...	...	3	2	5
Castle Street .....	{ Below 5 years...	1	...	...	...	...	...	...	...	1	...	1
	{ Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
St. Peter's .....	{ Below 5 years...	...	1	...	...	...	...	...	...	...	1	1
	{ Above 5 years...	...	...	...	...	...	1	...	...	...	1	1
Pitt Street .....	{ Below 5 years...	...	...	...	...	...	...	...	...	...	...	...
	{ Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
Great George .....	{ Below 5 years...	...	...	...	1	...	2	...	...	...	3	3
	{ Above 5 years...	1	1	...	...	...	...	...	2	1	3	4
Rodney Street .....	{ Below 5 years...	...	...	...	...	1	...	2	...	3	...	3
	{ Above 5 years...	...	...	...	...	...	1	...	...	...	1	1
Abercromby .....	{ Below 5 years...	1	1	1	...	...	1	...	1	2	3	5
	{ Above 5 years...	...	1	...	...	...	...	1	1	1	2	3
Parish Workhouses and Hospitals .....	{ Below 5 years...	...	...	1	...	...	1	...	1	1	1	2
	{ Above 5 years...	2	3	5	3	6	7	1	2	14	15	29
Out Township Workhouses and Hospitals.	{ Below 5 years...	...	...	...	...	...	...	...	...	...	...	...
	{ Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
Everton and Kirkdale...	{ Below 5 years...	4	7	6	5	6	8	4	2	20	22	42
	{ Above 5 years...	5	3	1	2	4	1	4	3	14	9	23
West Derby .....	{ Below 5 years...	1	3	3	1	6	4	4	2	14	10	24
	{ Above 5 years...	...	...	2	2	2	2	...	1	2	5	7
North Toxteth.....	{ Below 5 years...	...	1	1	2	4	3	2	...	7	6	13
	{ Above 5 years...	1	1	2	2	...	2	...	...	3	5	8
South Toxteth .....	{ Below 5 years...	3	1	1	1	2	1	3	3	9	6	15
	{ Above 5 years...	...	...	4	...	1	2	1	2	6	4	10
Parish .....	{ Below 5 years...	9	7	11	11	12	15	11	6	43	39	82
	{ Above 5 years...	4	6	7	5	12	14	5	8	28	33	61
Out Townships.....	{ Below 5 years...	8	12	11	9	18	16	13	7	50	44	94
	{ Above 5 years...	6	4	7	6	7	7	5	6	25	23	48
Borough .....	{ Below 5 years...	17	19	22	20	30	31	24	13	93	83	176
	{ Above 5 years...	10	10	14	11	19	21	10	14	53	56	109

## TUBERCULAR DISEASES.

This group of diseases includes Phthisis, Scrofula, Tabes Mesenterica and Hydrocephalus. They occasioned 2166 deaths in the Borough of Liverpool during the year 1870, of which 1169 occurred in the Parish, and 997 in the Out-townships. The death-rate was 4·1 per 1000 of the estimated population; their per centage death-rate relatively to deaths from all causes was 13·4.

The following Tables sufficiently explain themselves. The first and second show the localities and periods of the year in which Phthisis and other Tubercular diseases were most fatally prevalent. The third is a statistical resumé of the death records of all Tubercular diseases, and also of Phthisis (separately) during the last twenty-three years.

## DEATHS FROM PHTHISIS.

WARDS.	QUARTERS.								YEAR.			
	March.		June.		Sept.		Dec.					
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	TOTAL.	
Scotland .....	{ Below 5 years...	...	2	4	1	2	5	2	...	8	8	16
	Above 5 years...	26	22	17	27	16	27	26	35	85	111	196
Vauxhall .....	{ Below 5 years...	1	...	...	...	1	2	2	...	4	2	6
	Above 5 years...	5	5	4	6	2	9	5	1	16	21	37
St. Paul's .....	{ Below 5 years...	...	...	1	...	2	...	2	...	5	...	5
	Above 5 years...	6	7	5	7	1	2	1	7	13	23	36
Exchange .....	{ Below 5 years...	...	...	...	...	...	...	2	...	2	...	2
	Above 5 years...	6	5	6	5	4	3	1	4	17	17	34
St. Anne's.....	{ Below 5 years...	...	...	2	3	...	1	...	...	2	4	6
	Above 5 years...	11	9	15	10	12	9	8	12	46	40	86
Lime Street .....	{ Below 5 years...	...	2	...	...	1	...	...	1	1	3	4
	Above 5 years...	8	2	3	7	5	4	9	3	25	16	41
Castle Street.....	{ Below 5 years...	...	...	...	...	...	...	...	...	...	...	...
	Above 5 years...	...	...	...	...	...	1	...	1	...	2	2
St. Peter's.....	{ Below 5 years...	...	...	...	...	...	...	...	...	...	...	...
	Above 5 years...	4	2	3	4	1	2	2	...	10	8	18
Pitt Street.....	{ Below 5 years...	...	2	...	2	3	...	...	...	3	4	7
	Above 5 years...	4	4	6	1	...	5	6	4	16	14	30
Great George.....	{ Below 5 years...	1	...	1	...	...	...	...	...	2	...	2
	Above 5 years...	10	8	5	5	2	2	6	1	23	16	39
Rodney Street .....	{ Below 5 years...	...	...	...	...	...	...	...	...	...	...	...
	Above 5 years...	17	10	8	2	8	2	3	2	36	16	52
Abercromby .....	{ Below 5 years...	...	...	1	1	1	1	...	...	2	2	4
	Above 5 years...	8	5	7	7	2	6	4	5	21	23	44
Parish Workhouses and Hospitals .....	{ Below 5 years...	1	...	...	...	...	...	3	1	4	1	5
	Above 5 years...	46	30	44	22	33	26	40	32	163	110	273
Out Township Workhouses and Hospitals .....	{ Below 5 years...	...	...	...	...	...	...	...	...	...	...	...
	Above 5 years...	...	...	...	...	1	1	1	...	2	1	3
Everton and Kirkdale .....	{ Below 5 years...	4	2	5	6	2	5	...	6	11	19	30
	Above 5 years...	49	43	35	54	29	43	35	39	148	179	327
West Derby .....	{ Below 5 years...	1	...	5	3	1	1	...	1	7	5	12
	Above 5 years...	17	11	24	26	20	10	14	17	75	64	139
North Toxteth.....	{ Below 5 years...	2	...	3	1	2	...	...	...	7	1	8
	Above 5 years...	14	18	5	16	17	12	15	10	51	56	107
South Toxteth .....	{ Below 5 years...	1	4	...	...	...	...	...	2	1	6	7
	Above 5 years...	9	19	14	13	9	15	4	11	36	58	94
Parish .....	{ Below 5 years...	3	6	9	7	10	9	11	2	33	24	57
	Above 5 years...	151	109	123	103	86	98	111	107	471	417	888
Out Townships.....	{ Below 5 years...	8	6	13	10	5	6	...	9	26	31	57
	Above 5 years...	89	91	78	109	76	81	69	77	312	358	670
Borough .....	{ Below 5 years...	11	12	22	17	15	15	11	11	59	55	114
	Above 5 years...	240	200	201	212	162	179	180	184	783	775	1558

## DEATHS FROM OTHER TUBERCULAR DISEASES.

WARDS.	QUARTERS.								YEAR.			
	March.		June.		Sept.		Dec.					
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	TOTAL.	
Scotland .....	{ Below 5 years...	9	8	5	10	17	3	4	7	35	28	63
	Above 5 years...	1	1	3	1	...	...	3	2	7	4	11
Vauxhall .....	{ Below 5 years...	2	1	1	1	2	4	1	...	6	6	12
	Above 5 years...	...	1	...	...	...	...	...	1	...	2	2
St. Paul's .....	{ Below 5 years...	1	1	...	...	4	1	2	2	7	4	11
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
Exchange .....	{ Below 5 years...	...	1	1	1	1	1	...	1	2	4	6
	Above 5 years...	...	...	...	...	...	...	1	...	1	...	1
St. Anne's .....	{ Below 5 years...	2	...	4	2	4	...	1	2	11	4	15
	Above 5 years...	1	...	1	1	...	1	...	...	2	2	4
Lime Street .....	{ Below 5 years...	2	3	2	1	1	1	2	1	7	6	13
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
Castle Street.....	{ Below 5 years...	...	...	...	...	...	...	...	...	...	...	...
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
St. Peter's .....	{ Below 5 years...	...	1	1	1	...	3	1	...	2	5	7
	Above 5 years...	1	1	...	...	...	...	...	...	1	1	2
Pitt Street .....	{ Below 5 years...	1	...	...	...	...	1	...	...	1	1	2
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
Great George.....	{ Below 5 years...	2	3	3	...	...	...	2	1	7	4	11
	Above 5 years...	...	1	1	...	...	...	...	...	1	1	2
Rodney Street .....	{ Below 5 years...	3	3	3	1	2	2	1	1	9	7	16
	Above 5 years...	...	...	...	...	...	...	...	1	...	1	1
Abercromby .....	{ Below 5 years...	4	1	1	1	3	...	1	2	9	4	13
	Above 5 years...	2	...	...	2	...	1	...	1	2	4	6
Parish Workhouses and Hospitals.....	{ Below 5 years...	...	...	1	2	...	1	3	4	4	7	11
	Above 5 years...	1	...	...	3	3	4	3	1	7	8	15
Out Township Workhouses and Hospitals.	{ Below 5 years...	...	...	...	...	...	...	...	...	...	...	...
	Above 5 years...	...	...	...	...	...	...	...	...	...	...	...
Everton and Kirkdale...	{ Below 5 years...	11	12	11	5	20	17	15	11	57	45	102
	Above 5 years...	...	1	4	1	2	...	...	1	6	3	9
West Derby .....	{ Below 5 years...	8	6	4	6	12	5	7	4	31	21	52
	Above 5 years...	1	...	...	...	1	...	1	...	3	...	3
North Toxteth.....	{ Below 5 years...	8	6	8	8	8	6	9	7	33	27	60
	Above 5 years...	...	...	...	...	...	...	1	...	1	...	1
South Toxteth.....	{ Below 5 years...	8	6	7	3	2	4	8	3	25	16	41
	Above 5 years...	...	...	1	...	1	...	...	2	...	2	2
Parish.....	{ Below 5 years...	26	22	22	20	34	17	18	21	100	80	180
	Above 5 years...	6	4	5	7	3	6	7	6	21	23	44
Out Townships .....	{ Below 5 years...	35	30	30	22	42	32	39	25	146	109	255
	Above 5 years...	1	1	5	1	4	...	2	1	12	3	15
Borough .....	{ Below 5 years...	61	52	52	42	76	49	57	46	246	189	435
	Above 5 years...	7	5	10	8	7	6	9	7	33	26	59

PHTHISIS AND TUBERCULAR DISEASES, FROM 1848 TO 1870,  
INCLUSIVE.

YEARS.	Deaths from Phthisis	Death from all Tubercular Diseases.	Per cent. of Phthisis to total deaths.	Per cent. of Tubercular Diseases to total Deaths.	Phthisis per 10,000 of the population.	Tubercular Diseases per 10,000 of the population.
1848	1,394	1,913	11·8	16·2	40·2	55·2
1849	1,356	1,932	8·3	11·8	38·0	54·2
1850	1,265	1,667	13·3	17·6	34·5	45·5
1851	1,473	1,924	13·2	17·2	38·9	51·2
1852	1,485	2,051	13·3	18·4	38·8	53·6
1853	1,581	2,100	15·1	20·0	40·7	54·0
1854	1,586	2,150	11·3	15·3	40·1	54·4
1855	1,605	2,123	12·8	16·9	39·9	52·8
1856	1,406	1,881	12·1	16·2	34·4	46·0
1857	1,547	2,032	11·9	15·6	37·2	48·9
1858	1,618	2,070	11·6	14·8	38·3	48·9
1859	1,532	2,008	12·9	16·8	35·4	46·7
1860	1,625	2,013	14·4	17·9	37·2	46·0
1861	1,562	2,001	12·0	15·4	35·4	45·0
1862	1,522	1,969	11·1	14·2	33·9	43·6
1863	1,587	2,167	10·3	14·1	34·5	47·2
1864	1,698	2,304	10·0	13·6	36·3	49·3
1865	1,878	2,522	10·8	14·5	39·5	53·1
1866	1,856	2,469	9·1	12·2	38·3	50·9
1867	1,729	2,295	11·8	15·8	35·1	46·6
1868	1,629	2,175	11·1	14·9	32·5	43·4
1869	1,637	2,107	11·1	14·3	32·1	41·3
1870	1,672	2,166	10·3	13·4	32·3	41·8

I have received from Mr. Hartnup the following Meteorological Table for the year 1870.

LIVERPOOL OBSERVATORY.

DATE.	Mean Barometer.	Mean Temperature.	Rainfall on Ground
			Inches.
1870.	Inches.	°	
January .....	29·943	38·5	2·07
February .....	29·869	37·3	1·07
March .....	30·080	41·0	1·44
April .....	30·130	49·3	1·32
May .....	30·012	53·8	0·93
June .....	30·115	59·2	1·22
July .....	29·998	63·6	0·41
August .....	30·001	61·6	2·21
September .....	30·026	57·1	2·79
October .....	29·678	50·1	5·46
November .....	29·781	41·8	3·12
December .....	29·952	34·5	2·40

The Select Vestry are kind enough to forward to my office a daily list of the cases of Typhus Fever attended by the Parochial Medical Officers, and a monthly list of the cases of Zymotic diseases, of Tubercular diseases, and of sickness from other causes, which have occurred in the twelve districts of the Parish.

The daily list enables the Health Committee to take action for the purification of the houses, and I am able from the other to classify the districts and streets in which sickness has prevailed.

The following are the streets in which six or more cases of Fever, or three or more of Scarlatina, have occurred during the year.

STREET.	Zymotic Diseases, including Fever and Scarlatina.	Fever and Relapsing Fever.	Scarlatina.	Tuber-cular Diseases including Phthisis.	Phthisis.	Other Diseases.
Ascot .....	21	18	...	...	...	13
Ashfield .....	8	7	...	...	...	22
Athol .....	27	25	...	7	7	56
All Saints Lane .....	20	19	...	1	...	13
Atkinson .....	11	6	...	...	...	30
Arley .....	136	134	...	4	4	82
Addison .....	222	198	...	4	4	520
Adlington .....	101	90	...	1	1	185
Ainsworth .....	13	8	4	...	...	77
Almond .....	8	8	...	1	1	13
Back Portland .....	109	93	...	3	2	117
Blenheim .....	234	203	13	9	9	155
Bostock .....	96	86	...	6	5	81
Boundary .....	7	7	...	...	...	10
, East .....	6	6	...	...	...	3
Burlington .....	91	75	...	3	2	183
Barmouth .....	28	26	...	...	...	46
Beacon .....	14	8	4	7	7	29
Blackstone .....	21	17	4	4	4	27
Burnet .....	88	86	...	1	1	54
Beau .....	25	23	...	3	3	66
Ben Jonson .....	109	106	...	8	8	113
Bent .....	108	103	...	4	4	83
Birkett .....	69	67	...	11	8	121
Back Mansfield .....	8	8	...	...	...	5
Baptist .....	14	12	...	1	...	42
Bay Horse Lane .....	21	21	...	1	1	26
Blandford .....	75	62	3	5	3	154
Back Bond .....	19	19	...	...	...	12
Bevington Hill .....	20	20	...	1	1	13
Bevington .....	73	58	3	1	1	51
Blackstock .....	71	62	...	2	2	47
Bond .....	54	48	...	2	2	78
Burroughs Gardens .....	8	6	...	...	...	3
Banastre .....	107	105	...	2	2	116
Bevington Bush .....	11	11	...	1	1	15
Bow .....	10	10	...	2	2	9
Brook .....	9	8	...	2	2	13
Bispham .....	27	23	...	3	3	132
Bolton .....	101	72	10	3	3	120
Bronte .....	14	9	3	...	...	31
Brownlow Hill (sheds included)	256	164	7	58	51	2218
Brownlow .....	8	7	..	2	2	20

STREET.	Zymotic Diseases, including Fever and Scarlatina.	Fever and Relapsing Fever.	Scarlatina.	Tuber-cular Diseases including Phthisis.	Phthisis.	Other Diseases.
Back Blake .....	29	19	6	...	...	79
Back Russell .....	11	7	3	...	...	18
Blake .....	54	36	9	5	4	174
Brown .....	25	14	6	2	2	71
Bailey .....	10	8	...	1	1	13
Blundell .....	52	43	4	5	5	85
Bridgewater .....	23	18	4	...	...	34
Brick .....	211	186	4	6	6	277
Calvin .....	6	6	...	...	...	17
Carlton .....	25	21	...	13	13	134
Cazneau .....	21	21	...	4	4	20
Chaucer .....	33	27	3	2	2	44
Collingwood .....	109	100	...	5	5	174
Comus .....	52	50	...	3	3	42
Christian .....	29	26	...	10	10	88
Circus .....	47	46	...	6	5	103
Clare .....	17	12	...	5	5	42
Clayton .....	20	19	...	4	4	52
Clifford .....	18	13	4	...	...	18
Chadwick .....	64	52	...	1	1	29
Charter .....	155	150	...	4	4	127
Chisenhale .....	157	150	...	2	2	142
Clement .....	37	31	...	1	1	33
Cavendish .....	185	180	...	3	3	122
Cherry Lane .....	43	41	...	2	2	42
Cockspur .....	7	7	...	...	...	10
Cunliffe .....	6	6	...	1	1	9
Copperas Hill .....	62	45	7	9	3	139
Crown .....	7	6	...	...	...	20
Cambridge .....	9	6	...	...	...	113
Chapel Lane .....	21	18	...	1	...	22
Carpenter's Row .....	21	20	...	2	2	29
Crosbie .....	82	69	...	4	4	162
Crump .....	22	22	...	...	...	26
Dalrymple .....	11	10	...	1	1	6
Denbigh .....	12	8	4	...	...	18
Drinkwater's Gardens .....	18	17	...	7	7	128
Dryden .....	243	234	...	7	7	128
Downe .....	36	33	...	...	...	14
Denison .....	13	11	...	...	...	26
Duckinfield .....	264	203	16	8	6	451
Duke .....	8	8	...	...	...	15
Epsom .....	27	23	3	2	1	38
East View .....	29	27	...	1	1	3
Eldon .....	95	69	3	9	7	187
Ennerdale .....	30	26	...	6	2	37
Eaton .....	146	140	...	3	3	73
Edgar .....	10	10	...	...	...	16
Edward .....	45	32	3	4	3	89
Fletcher's Gardens .....	18	17	...	2	2	14
Finch Place .....	8	8	...	...	...	23
Ford .....	245	229	...	17	17	209
Freemason's Row .....	30	29	...	2	2	23
Fairhurst .....	11	11	...	...	...	36
Fontenoy .....	96	95	...	7	7	157
Frederick .....	20	13	3	4	4	58
Flint .....	16	14	...	1	1	7
Green .....	17	12	...	8	1	26
Great Howard .....	23	22	...	2	2	42

STREET.	Zymotic Diseases, including Fever and Scarlatina	Fever and Relapsing Fever.	Scarlatina.	Tuber-cular Diseases including Phthisis.	Phthisis.	Other Diseases.
Gay .....	16	14	...	2	2	47
Great Richmond .....	24	22	...	2	2	40
Grosvenor .....	49	49	...	1	1	96
Gerard .....	39	31	...	7	6	96
Gomer .....	20	19	...	...	...	35
Gildart's Gardens .....	103	96	...	...	...	80
Gascoyne .....	125	124	...	3	2	85
Gibraltar Row .....	8	8	...	...	...	23
Gladstone .....	58	58	...	...	...	26
Great Crosshall .....	8	8	...	1	1	51
Gill .....	13	9	4	...	...	24
Grayson .....	104	101	...	2	2	91
Greenland .....	54	41	6	5	4	97
Gilbert .....	49	40	3	2	2	121
Hankin .....	28	26	...	2	2	19
Hopwood .....	14	9	...	5	5	68
Hornby .....	242	200	14	23	20	444
Hedley .....	101	98	...	3	2	63
Hare Place .....	54	49	...	2	2	18
Horatio .....	15	15	...	2	2	20
Holly .....	21	16	...	4	4	56
Hunter .....	6	6	...	1	1	25
Harrison .....	66	66	...	1	1	65
Highfield .....	14	14	...	1	1	30
Henry Edward .....	171	158	...	3	2	256
Hockenhalley Alley .....	8	8	...	...	...	43
Hodson .....	97	91	...	3	3	170
Hood .....	3	...	3	...	...	4
Hilbre .....	64	44	...	4	3	73
Hawke .....	31	22	...	8	8	131
Heath .....	6	6	...	...	...	13
Henry .....	15	14	...	1	1	24
Islington .....	13	11	...	2	2	14
Johnson .....	64	61	...	...	...	61
Jones .....	16	11	...	7	7	61
Jamaica .....	15	15	...	...	...	6
Jordan .....	119	94	18	1	1	155
Kew .....	163	145	...	4	4	161
Kent .....	26	18	8	1	1	39
Knight .....	9	6	...	2	2	16
Kitchen .....	51	36	3	3	3	119
Limekiln Lane .....	144	129	6	5	5	130
Lightbody .....	17	17	...	...	...	45
Love Lane .....	36	33	...	4	4	36
Lawrence .....	10	9	...	4	4	16
Lambert .....	13	12	...	4	4	40
Lionel .....	29	26	...	...	...	33
Lower Myrtle .....	60	56	...	2	...	46
,, Milk .....	34	34	...	2	2	34
Leeds .....	59	59	...	...	...	37
Lace .....	146	141	...	5	5	278
Lydia Ann .....	7	7	...	2	2	16
Mile End .....	8	7	...	...	...	15
Mould .....	22	20	...	...	...	10
Milford .....	11	10	...	...	...	5
McKee .....	32	30	...	2	2	41
Meadow .....	12	8	...	...	...	20
Mansfield .....	39	31	...	2	2	71
Mill Lane .....	33	32	...	...	...	29

STREET.	Zymotic Diseases, including Fever and Scarlatina.	Fever and Relapsing Fever.	Scarlatina.	Tuber-cular Diseases, including Phthisis.	Phthisis.	Other Diseases.
Myrtle View.....	9	9	...	1	1	6
Maddox.....	33	32	...	2	2	16
Maguire.....	42	39	...	2	2	91
Marybone.....	45	43	...	1	1	30
Milton.....	279	274	...	4	4	180
Marlborough.....	27	24	...	...	...	57
Midghall Lane.....	8	7	...	2	2	33
Myrtle.....	6	6	...	...	...	15
Midghall.....	108	102	...	4	4	179
Newsham.....	158	122	5	6	6	167
Nash Grove.....	101	95	...	4	4	57
Naylor.....	174	171	...	10	10	100
Northampton.....	9	8	...	1	1	14
North.....	52	48	...	2	2	135
New Hall.....	103	98	...	1	1	98
Norfolk.....	44	30	7	6	6	101
Oswald.....	13	12	...	...	...	10
Oriel.....	274	262	5	13	13	219
Orange.....	8	8	...	...	...	11
Oakes.....	40	26	6	4	4	80
Penrhyn.....	26	21	...	2	2	38
Portland.....	57	50	...	11	11	174
Paget.....	53	48	...	5	4	69
Prince's Walk.....	15	14	...	11	11	22
Pepper.....	20	18	...	2	2	22
Porter.....	32	28	...	4	3	55
Pall Mall.....	41	40	...	4	4	48
Paul.....	88	84	...	10	10	103
Plumbe.....	12	11	...	...	...	21
Prussia.....	10	10	...	...	...	7
Poplar Lane.....	6	6	...	...	...	6
Primrose Hill.....	12	10	...	4	3	83
Pembroke Gardens.....	6	6	...	1	1	8
Pembroke.....	24	15	3	2	2	45
Pennington.....	15	13	...	3	3	20
Poynton.....	6	...	4	...	...	3
Prince.....	9	...	6	2	2	6
Peach.....	67	53	3	3	1	199
Pellew.....	11	8	...	4	4	63
Pleasant.....	13	6	...	3	...	24
Pitt.....	20	12	...	1	1	65
Pownall.....	21	19	...	...	...	30
Parliament.....	20	18	...	...	...	18
Pilgrim.....	6	6	...	...	...	1
Queen Anne.....	14	13	...	1	1	49
Raymond.....	69	47	...	5	5	187
Raglan.....	64	60	...	3	3	53
Rachel.....	55	38	...	3	3	118
Richmond Row.....	45	43	...	6	5	88
Rose Place.....	45	35	...	2	1	76
Redmond Place.....	45	41	...	2	2	34
Raffles.....	19	15	3	1	1	30
Rathbone.....	80	74	...	4	3	122
Saint Martin.....	162	141	...	6	5	150
Scotland Road.....	26	20	...	2	2	31
Silvester.....	28	25	...	4	4	63
Skirving.....	9	6	3	...	...	23
Saltney.....	75	74	...	11	11	106
Shadwell.....	16	15	...	1	1	14

STREET.	Zymotic Diseases, including Fever and Scarlatina.	Fever and Relapsing Fever.	Scarlatina.	Tuber-cular Diseases, including Phthisis.	Phthisis.	Other Diseases.
Sherwood .....	164	152	8	15	15	124
Slade.....	30	30	...	4	4	84
Steele .....	6	6	...	...	...	6
Saint Anne.....	11	10	...	1	1	65
Soho .....	10	8	...	5	5	22
Spring Place.....	33	33	...	...	...	38
Stewart.....	8	8	...	...	...	11
Summer Seat .....	23	22	...	2	2	14
Smithfield.....	33	33	...	1	1	30
Sawney Pope.....	175	163	...	6	4	363
Standish .....	35	34	...	2	2	77
Stockdale .....	104	100	...	1	...	180
School Lane.....	8	7	...	...	...	28
Stanley .....	9	7	...	...	...	19
Skelhorne.....	10	...	5	1	1	22
Saint Andrew.....	310	179	58	24	20	296
Shannon .....	9	...	4	5	...	44
Shaw's Alley.....	13	...	9	2	2	46
Short .....	4	...	4	1	1	7
Sparling.....	76	72	3	4	4	105
Saint James.....	14	10	...	1	1	16
Tatlock.....	66	57	...	5	5	93
Tenterden .....	45	36	4	1	1	64
Titchfield.....	28	25	...	2	2	102
Tessera Place .....	6	6	...	...	...	1
Thurlow.....	85	80	...	2	2	60
Turner.....	6	6	...	...	...	4
Thornton.....	8	8	...	...	...	13
Tithebarn .....	13	13	...	1	1	9
Thomas.....	60	58	...	8	8	171
Trueman .....	23	19	...	1	1	106
Trowbridge.....	40	21	6	5	4	112
Tobin.....	10	9	...	...	...	4
Upper William.....	7	7	...	...	...	13
Upper Milk .....	40	39	...	1	1	17
Upper Frederick .....	216	199	4	9	9	295
Upper Pownall .....	23	22	...	2	1	27
Vauxhall Road .....	35	32	...	3	3	66
Virgil .....	7	6	...	2	2	15
Vernon .....	19	19	...	1	1	54
Woodstock .....	99	89	...	5	5	56
Wright.....	217	187	...	9	9	141
Walmsley .....	35	31	3	2	2	19
Whitley .....	18	17	...	10	10	33
Wakefield .....	28	25	...	...	...	22
Wilton .....	8	6	...	...	...	17
Wigan .....	11	11	...	...	...	14
Westmoreland .....	99	97	...	...	...	59
Worfield .....	20	17	...	4	4	16
Ward .....	3	...	3	...	...	5
White Mill .....	6	6	...	...	...	1
Walnut .....	7	6	...	...	...	34
Warren .....	32	22	3	6	6	94
White .....	9	7	...	1	1	31
Watkinson .....	28	20	5	2	2	87

The Medical Officer is indebted to the kindness of Mr. Hagger, Vestry Clerk, for the following valuable Tables :—

### PARISH OF LIVERPOOL

Return of Infectious Diseases, &c., in Workhouse Hospital.

1870. WEEK ENDING.	FEVER.				SIMPLE CONTINUED.				RELAPSING FEVER.				SMALL POX.				MEASLES.				SCARLATINA.						
	No. at commence- ment of week.		Admitted.	Discharged.	Remaining at end of week.		No. at commence- ment of week.		Admitted.	Discharged.	Remaining at end of week.		No. at commence- ment of week.		Admitted.	Discharged.	Remaining at end of week.		No. at commence- ment of week.		Admitted.	Discharged.	Remaining at end of week.				
	Day	Month	Day	Month	Day	Month	Day	Month	Day	Month	Day	Month	Day	Day	Month	Day	Month	Day	Month	Day	Month	Day	Month	Day	Month		
Jan.	1..	105	28	34	6	93																					
"	8..	93	21	25	..	89																					
"	15..	89	34	24	7	92																					
"	22..	92	18	29	3	78																					
"	29..	78	21	21	1	77																					
Feb.	5..	77	27	17	7	80																					
"	12..	80	16	21	..	75																					
"	19..	75	16	16	5	70																					
"	26..	70	16	13	2	71																					
March	5..	71	20	19	1	71																					
"	12..	71	38	22	3	84																					
"	19..	84	26	25	3	82																					
"	26..	82	29	22	4	85																					
April	2..	85	17	19	4	79																					
"	9..	79	22	28	3	70																					
"	16..	70	32	21	5	76																					
"	23..	76	34	27	5	78																					
"	30..	78	24	19	..	83																					
May	7..	83	31	34	4	76																					
"	14..	76	38	24	2	88																					
"	21..	88	39	30	4	93																					
"	28..	93	59	34	1	117																					
June	4..	117	72	42	1	146																					
"	11..	146	39	44	3	138																					
"	18..	138	50	51	4	133																					
July	2..	140	72	37	3	172																					
"	9..	172	76	48	5	195																					
"	16..	195	101	62	1	233																					
"	23..	233	94	53	6	268	..	62	19	..	43	..	211	23	..	188	..	..	..	..	..	..	..	..	..	..	
"	30..	268	122	58	4	328	43	24	15	..	52	188	90	38	..	240	..	..	..	..	..	..	..	..	..	..	
Aug.	6..	328	195	92	5	426	52	35	28	..	59	240	155	62	..	333	..	..	..	..	..	..	..	..	..	..	
"	13..	426	184	118	9	483	59	9	24	2	42	333	169	90	3	469	..	..	..	..	..	..	..	..	..	..	
"	20..	483	180	90	5	568	42	5	13	..	34	409	169	57	2	519	..	..	..	..	..	..	..	..	..	..	
"	27..	568	244	128	8	676	34	22	16	..	40	519	218	107	7	623	..	..	..	..	..	..	..	..	..	..	
Sept.	3..	676	240	130	12	774	40	13	19	3	31	623	221	107	8	729	..	..	..	..	..	..	..	..	..	..	
"	10..	774	292	150	7	909	31	14	7	..	38	729	274	140	5	558	..	..	..	..	..	..	..	..	..	..	
"	17..	909	326	216	13	1006	38	15	11	1	41	858	306	202	10	952	..	..	..	..	..	..	..	..	..	..	
"	24..	1006	402	271	21	1116	41	30	53	1	27	952	358	215	18	1077	..	..	..	..	..	..	..	..	..	..	
Oct.	1..	1116	326	237	14	1191	27	29	15	5	36	1077	296	222	9	1142	..	..	..	..	..	..	..	..	..	..	
"	8..	1191	369	307	18	1235	36	..	1	..	35	1142	368	304	17	1189	..	..	..	..	..	..	..	..	..	..	
"	15..	1235	431	318	9	1337	35	..	4	..	31	1189	430	314	9	1296	..	..	..	..	..	..	..	..	..	..	
"	22..	1337	393	350	22	1358	31	..	5	..	26	1296	390	343	21	1322	..	10	3	..	7	..	..	..	..	..	
"	29..	1358	270	242	18	1368	26	1	6	..	21	1322	264	236	17	1333	..	7	8	1	..	14	..	..	..	..	
Nov.	5..	1368	374	408	26	1308	21	8	16	..	13	1333	356	387	24	1278	..	14	6	1	1	18	..	..	..	..	
"	12..	1308	358	374	15	1277	13	20	11	..	22	1278	337	361	15	1229	..	18	10	9	..	19	..	..	..	..	
"	19..	1277	370	355	21	1271	22	1	2	..	21	1239	364	351	18	1234	..	19	6	8	2	15	..	..	..	..	
"	26..	1271	272	318	19	1206	21	..	19	..	2	1234	271	296	18	1191	..	15	21	12	2	22	..	6	4	..	
Dec.	3..	1206	245	334	16	1101	2	7	9	..	..	1191	232	322	16	1085	..	22	5	3	2	22	..	1	1	1	12
"	10..	1101	249	221	22	1107	..	1	1	..	..	1085	245	216	19	1095	..	22	22	3	3	38	..	1	1	1	13
"	17..	1107	215	247	14	1061	..	3	3	..	..	1095	206	241	13	1047	..	38	37	8	7	60	..	1	..	1	7
"	24..	1061	183	345	13	886	..	8	8	..	..	1047	171	334	10	874	..	60	35	14	15	66	..	6	2	1	7
"	31..	886	178	275																							

## PARISH OF LIVERPOOL.

## RETURN OF PERSONS IN RECEIPT OF RELIEF IN THE YEAR 1870.

Week ending.	Work-house.	Industrial Schools.	Out Relief.	Week ending.	Work-house.	Industrial Schools.	Out Relief.
1870.							
January 1...	3041	1611	11375	July 9...	2728	1418	10046
,, 8...	3046	1616	11513	,, 16...	2713	1373	10028
,, 15...	3127	1623	11708	,, 23...	2734	1373	9979
,, 22...	3113	1603	11665	,, 30...	2818	1370	9981
,, 29...	3157	1577	11913	August 6...	2860	1345	10058
February 5...	3120	1602	11803	,, 13...	2990	1339	10000
,, 12...	3183	1589	12296	,, 20...	3074	1318	9998
,, 19...	3225	1586	12601	,, 27...	3210	1293	9892
,, 26...	3226	1583	12169	September 3...	3285	1308	9899
March 5...	3188	1582	12028	,, 10...	3413	1301	9937
,, 12...	3217	1583	11935	,, 17...	3529	1311	10014
,, 19...	3145	1564	11942	,, 24...	3585	1311	10102
,, 26...	3118	1572	11502	October 1...	3711	1329	10014
April 2...	3072	1567	11154	,, 8...	3719	1331	10279
,, 9...	2913	1542	10979	,, 15...	3854	1322	10242
,, 16...	2835	1517	10687	,, 22...	3981	1316	10162
,, 23...	2772	1492	10777	,, 29...	4042	1306	10506
,, 30...	2711	1481	10626	November 5...	3954	1316	10412
May 7...	2701	1463	10536	,, 12...	3968	1298	10608
,, 14...	2684	1466	10363	,, 19...	4042	1299	10817
,, 21...	2595	1443	10298	,, 26...	4031	1302	10817
,, 28...	2631	1435	10283	December 3...	3961	1281	10539
June 4...	2636	1408	10245	,, 10...	3992	1314	10408
,, 11...	2621	1425	10187	,, 17...	4028	1292	10333
,, 18...	2631	1432	10139	,, 24...	3844	1284	10735
,, 25...	2633	1434	10081	,, 31...	3757	1271	10344
July 2...	2654	1436	10044				

These show that the average number of persons suffering from Fever (including therein Typhus, Continued, and Relapsing Fevers) at one time in hospital during the year 1870 was 493, and their per centage death-rate 5·4; the average number of Simple Continued Fever Cases at one time in hospital (from July 23rd) was 25, and their per centage death-rate 4·1; the average number of cases of Relapsing Fever at one time in hospital (from July 23rd) was 901, and their per centage death-rate 4·3; the average number of cases of Small Pox at one time in hospital (from October 22nd) was 29, and their per centage death-rate 19·5; the average number of cases of Scarlatina at one time in hospital during the whole year was 3, and their per centage death-rate 14·0; the average per centage death-rate of Measles was 7·8.

The number of persons in receipt of Parochial Relief on Saturday, the 2nd July, was 14,134, or 1,710 less than at the corresponding period of 1869, and the number on Saturday, the 31st December, was 15,372, or 801 less than on the same period of 1869.

## SANITARY WORK.

Classification of Privies Certified for Conversion into Water Closets, from January to December, 1870, both months inclusive.

CAUSE OF CERTIFICATE.	DISTRICTS.									TOTAL.	
	Saint Martin's.	Great Howard Street.	Dale Street.	Islington.	Saint George.	Saint Thomas's.	Mount Pleasant.	Everton and Kirkdale.	West Derby.		
Privies situated inside Houses and beneath inhabited Apartments.....	2	1	...	6	2	5	10	2	...	14	42
Privies situated in close and confined positions and near to inhabited Apartments..	34	10	6	22	...	7	21	37	36	22	195
Privies close and confined and adjoining fire-places.....	4	3	...	...	...	...	4	...	6	...	17
Privies emptied through Houses	...	...	...	...	6	3	...	...	...	...	9
Privies emptied through Courts	3	11	10	3	...	9	18	...	1	65	120
Tunnel Middens .....	24	...	...	...	...	6	1	3	3	8	45
Court Privies.....	...	...	...	...	...	2	...	...	...	...	2
TOTAL.....	67	25	16	31	8	32	54	42	46	109	430

## LODGING-HOUSES.

The Health Committee have, since the passing of the Sanitary Act, 1866, ruled that as far as possible all registered lodging-houses should have a day apartment for the accommodation of their lodgers, and that all houses where single rooms were occupied by day and night should be registered as sub-let. The space required for a night lodger in a registered lodging-house is 300 cubical feet, while the space in a sub-let house for each adult is 350 feet. The effect of this arrangement is to lessen the number of registered lodging-houses.

There were on the register 1,149 lodging-houses at the end of 1869, and 1,134 at the end of 1870. This difference was occasioned by the removal of 293 old licenses and the addition of 278 new ones. The visits to lodging-houses are both by day and night. The lodging-houses of the better class, and especially those provided only with single beds for each person, and only with the number of beds equivalent to the number of lodgers allowed, are not visited at night except on grave suspicion or on complaint, or in the case of foreign lodging-houses, where there is a large influx of emigrants. The night visits are pretty nearly restricted to the low districts and tramp houses. The number of day visits paid during the year was 34,823, and the night visits 5,706. The number of lodging-houses found overcrowded on the night visits was 27; the number of informations laid for breaches of the bye-laws was 92, with the results of fines in 70 cases to the extent of £19. 17s., in sums varying from 1s. to 20s. and costs. The number of lodging-houses found dirty was 267; notices were served to limewash and cleanse.

It is necessary frequently to visit houses which are not licensed either as lodging or sub-let houses, especially when emigration is brisk, or at race times. There were 976 such visits paid during the day, and in 62 of the cases where suspicion was confirmed they were followed up by night visits. A tenant harbouring lodgers is not taken before the Justices for the first offence, but is noticed to apply to have his rooms measured and licensed. There were 280 such notices issued during the year, but in only 3 cases did the tenants refuse to comply ; they were brought before the Justices and fined. A bye-law requires that every case of infectious sickness in a lodging-houses should be at once reported to the Medical Officer of Health. 164 cases of fever occurred in lodging-houses ; in 156 of the cases the patients were at once sent to hospital, the remaining 8 being members of the keepers' families, were not removed ; 4 of these latter died. In all cases of fever or infectious disease the bedding was at once removed to the disinfecting apparatus, and the rooms purified and cleansed ; in the 8 cases where the patients remained the licenses to receive lodgers were suspended by the Medical Officer. No lodger died from fever in a registered lodging-house ; but not including the four cases of fever, there were 107 deaths from non-contagious diseases in lodging-houses, of which 79 belonged to the keepers' families and 28 were lodgers.

#### SUB-LET HOUSES REGISTERED UNDER THE SANITARY ACT OF 1866.

The number of sub-let houses on the Registry at the termination of 1869 was 7,539 ; the number registered during 1870 was 1,264, making the total on the register on the 31st December, 8,803. The number of visits paid during the night was 11,270, and during the day 57,342, with the result of finding 1,458 rooms overcrowded. In addition to overcrowding, the offence (though not punishable in sub-let houses) of permitting adult males and females not married to occupy the same room, comes under the notice of, and is entered in the books of the Inspectors. There were 615 rooms thus indecently occupied by 923 males and 1,032 females, besides having also in these rooms 545 children between the ages of 5 and 13 years.

Informations were laid against 868 chief tenants for permitting overcrowding in rooms with the following results :—10 were fined 1s. ; 478 1s. and 1s. costs ; 1 fined 2s. 6d. and 1s. 6d. costs ; 1 fined 2s. 6d. ; 189 fined 2s. 6d. and 2s. 6d. costs ; 58 fined 5s. and costs ; and 14 fined 10s. and costs, making a total of fines levied during the year of £133 11s. 6d. Of the remaining 117 cases, 16 informations were withdrawn, the tenants having abated the overcrowding ; in 101 cases the tenants were acquitted—the majority because it was the first offence, and the remainder because of their poverty, and their promise not again to offend.

## WORKSHOPS.

Visits are paid to all workshops upon receipt of complaints. 50 visits have been paid during the year, and in 23 cases where there was a breach of the Saturday half-holiday the employers were brought before the Justices and fined in penalties varying from 1s. to 40s. and costs. The amount of fines was £13 14s. 6d.

## BAKEHOUSES.

1,207 day visits and 1,837 night visits have been paid to Bakehouses during the year. 23 informations were laid for working young people below the age of 18 years, between the hours of 9 p.m. and 5 a.m. In 18 cases penalties varying from 1s. and 1s. costs to 40s. and costs, and making a total of £8 0s. 6d. were inflicted. In 5 cases the employers were acquitted, being the first offence. 96 Bakehouses were found dirty and notices were served to limewash and cleanse them.

## LICENSES FOR CATTLE.

During the year 1870, 79 applications for Licenses to keep 737 cows were made to and granted by the Health Committee ; these, in addition to premises previously licensed, make up the number to 545 shippions, containing 5,422 cows. 52 shippions, containing 574 cows, have been given up during the year, leaving the number of shippions on the Register 493, containing 4,848 cows. In 63 of these shippions, pigs are also allowed to be kept ; in 56 of them, only 2 pigs each ; in 6, 4 pigs ; and in 1, 5 pigs.

72 applications were made during the year to keep pigs in styes separate from and unconnected with shippions ; 41 of these applications, for keeping 121 pigs, were granted. The total number of premises or styes now licensed in the Borough (excluding shippions) is 281, for keeping 879 pigs.

## THE DISINFECTING APPARATUS.

The number of Articles sent to the Disinfecting Apparatus during the year amounted to 66,865.

DATE 1870.	NUMBER OF ARTICLES DISINFECTED IN THE APPARATUS.		DATE 1870.	NUMBER OF ARTICLES DISINFECTED IN THE APPARATUS.	
	Ford Street.	New Bird Street.		Ford Street.	New Bird Street.
Week ending			Week ending		
January ..... 6	202	309	July ..... 7	224	317
.....13	107	156	.....14	257	348
.....20	149	400	.....21	320	180
.....27	259	272	.....28	382	271
February ..... 3	233	281	August ..... 4	435	490
.....10	208	268	.....11	819	576
.....17	112	205	.....18	912	434
.....24	237	169	.....25	1757	513
March ..... 3	122	186	September ..... 1	1204	753
.....10	155	223	.....8	1227	626
.....17	182	256	.....15	408	517
.....24	291	296	.....22	1136	555
.....31	256	134	.....29	1915	518
Total for } Quarter. }	2513	3155	Total for } Quarter. }	10996	6098
April ..... 7	90	163	October ..... 6	1771	705
.....14	132	188	.....13	2230	625
.....21	147	104	.....20	2713	534
.....28	235	224	.....27	2703	685
May ..... 5	188	386	November ..... 3	1771	783
.....12	211	158	.....10	2303	361
.....19	266	187	.....17	1889	1133
.....26	223	438	.....24	2006	1198
June ..... 2	298	185	December ..... 1	3237	1093
.....9	252	172	.....8	1585	1490
.....16	166	155	.....15	1367	970
.....23	221	221	.....22	2480	1475
.....30	239	240	.....29	333	1174
Total for } Quarter. }	2668	2821	Total for } Quarter. }	26388	12226

## UNWHOLESMOE MEAT CONDEMNED DURING 1870.

MARKETS.	SLAUGHTER HOUSES.	WEEKLY QUANTITY OF MEAT, ETC., SHIPPED										Number
		Beef.	Lbs.	Lbs.	Veal.	Lbs.	Mutton.	Lbs.	Lamb.	Pork.	Poultry.	
	Abattoir .....	38677	5092	8922	46 Goat.	518	3578	...	...	...	...	...
	Bevington Hill .....	30850	10341	313		...	36	...	...	...	...	...
	Scotland Road .....	11714	10264	...		...	390	...	...	...	4256	...
	Arley Street .....	2410	...	...		...	180	...	...	...	...	...
	Bolton Street .....	...	117	...		...	...	...	...	...	...	...
	Parliament Street .....	2536	1121	449		...	...	...	...	...	...	...
	Finch Place .....	1027	...	529		...	...	...	...	...	...	...
	Gelling Street .....	13278	777	...		...	...	...	...	...	...	...
	Stanley Road .....	835	...	...		...	320	...	...	...	...	...
	Brownlow Hill .....	524	178	133		...	...	...	...	...	...	...
	Upper Milk Street .....	368	...	51		...	90	...	...	...	...	...
	Lower Milk Street .....	...	...	...		...	455	...	...	...	...	...
	Hood Street .....	522	363	...		...	...	...	...	44	...	...
	Embledon Street .....	...	...	65		...	...	...	...	...	...	...
OTHER PARTS.	St. John's Market .....	1200	1224	362		53	...	456	1028	169133	145	13696
	St. James's Market .....	1110	331	229		...	30	...	...	138	...	...
	St. Martin's Market .....	520	...	...		...	...	...	23	550	...	...
	Gill Street Market .....	...	...	...		...	1968	...	...	...	...	...
	Cleveland Sq. Market .....	...	...	...		...	...	...	...	331	...	...
	Queen's Square Market .....	660	Cauliflowers	...	...	...	...	...	...	...	...	...
MARKETS.	Northumberland Street .....	1073	...	...	...	...	...	...	...	...	...	...
	Coburg Dock .....	2200	...	...	...	...	...	...	...	...	...	...
	Wavertree Road .....	600	...	...	...	...	...	...	...	...	...	...
	Park Street .....	587	...	...	...	...	...	...	...	...	...	...
	Lodge Lane .....	566	...	...	...	...	...	...	...	...	...	...
	Rose Street .....	530	...	...	...	...	...	...	60	3	53583	...
	Myers Street .....	486	...	...	...	...	...	...	...	...	...	...
	Desmond Street .....	470	...	...	...	...	...	...	...	...	...	...
	Hill Street .....	397	...	...	...	...	...	...	...	...	...	...
	Foley Street .....	376	...	...	...	...	...	...	...	...	...	...
	Stanhope Street .....	240	...	...	...	...	...	...	...	...	...	...
	Ship "Tuscarora" .....	200	...	...	...	540	...	...	...	...	...	105
	Collingwood Dock .....	...	...	...	...	...	...	...	...	...	...	...
	Cooper's Row .....	...	...	...	...	...	...	...	...	...	846	...
	Duke's Dock .....	...	...	...	...	...	...	...	...	...	9576	...
	Duncan Street .....	...	...	...	...	567	...	...	...	...	...	...
	George's Dock .....	...	...	...	...	...	...	...	...	...	6285	...
	Great Charlotte Street .....	...	128	...	...	...	...	...	...	...	8689	...
	Great Homer Street .....	...	...	...	...	...	...	...	...	...	195	1
	Great Howard Street .....	...	...	...	...	...	...	...	...	...	15000	...
	Leeds Street Railway .....	...	...	...	...	...	...	...	...	...	224	...
	Lime Street Railway .....	...	...	...	...	...	748	...	...	...	24112	...
	London Road .....	...	...	...	...	...	...	...	...	...	222	1
	Manesty's Lane .....	...	...	...	...	...	...	...	...	...	6331	...
	Marybone .....	...	...	...	...	...	...	...	...	...	345	...
	Midghall Street .....	...	...	...	...	...	...	...	...	...	1087	...
	Myrtle Street .....	...	...	...	...	...	214	...	...	...	...	...
	Police Office .....	...	...	...	...	...	120	...	...	...	...	...
	Queen's Dock .....	...	...	...	...	...	211	...	...	...	...	...
Carried forward .....		113296	29936	12160	571	8340	516	1098	300903	252	13696	Oysters.

## UNWHOLESOOME MEAT.—*Continued.*

OTHER PARTS.	Beef.	Veal.	Mutton.	Lamb.	Pork.	Poultry.	Rabbits	Fish.	Shell Fish.	Oysters.
	Lbs.	Lbs.	Lbs.	Lbs.	Lbs.	Head	Head	Lbs.	Bags.	Number
Brought forward.....	113296	29936	12160	571	8340	516	1098	300903	252	13696
Rachel Street .....	150 Oranges.	...	...	...	...	...	...	...	...	...
Roe Street .....	...	...	...	...	...	...	...	1245	...	...
Sawney Pope Street....	...	...	...	...	...	...	...	2732	...	...
Whitechapel .....	...	...	193	...	84	...	...	...	...	...
Tithebarn St. Railway.	...	...	...	...	...	...	...	9879	...	...
Trafalgar Dock .....	...	...	...	...	...	...	...	5648	...	...
William Henry Street..	...	...	...	...	...	...	...	332	...	...
Brunswick Station.....	...	...	...	...	...	...	...	1369	1	...
Gt. Northern Railway.	...	...	...	...	...	...	...	1247	...	...
Paddington.....	...	...	...	...	48	...	...	...	...	...
Prescot Street.....	...	...	118	...	150	...	...	...	...	...
Total.....	113296	29936	12471	571	8622	516	1098	323355	253	13696

**SLAUGHTER-HOUSE RETURNS OF CATTLE KILLED IN  
THE BOROUGH, 1870.**

SLAUGHTER HOUSES.	Beasts.	Sheep.	Lambs.	Calves.	Pigs.	Goats.
Public Abattoir.....	27586	177238	...	10550	9729	...
NEW PARTS.	Parliament Street .....	601	3765	1287	87	219
	Gelling Street .....	898	2464	948	55	7
	Corlett Street.....	511	3507	856	2	21
	Railway Arches.....	1244	1105	184	...	...
	Castle Street .....	822	3372	902	3	4
	Crown Street .....	334	1779	529	1	7
	Wavertree Road.....	...	...	...	...	...
	Byles Street.....	303	1797	544	...	...
	Back Castle Street.....	140	868	197	...	23
	Head Street (1) .....	130	999	485	4	...
	Peel Street .....	150	983	353	8	...
	Browside.....	267	1161	264	...	...
	Grinfield Street.....	56	405	84	31	12
	Embledon Street .....	407	2297	687	...	121
	Knight Street.....	214	1039	198	...	...
	Empire Street.....	22	124	...	...	...
	Cotter Street .....	14	...	...	...	2077
	Head Street (2) .....	...	...	...	...	2128
	Darnley Street .....	...	...	...	...	1875
OLD PARTS.	Bevington Hill .....	3046	2992	180	1208	...
	Norfolk Street.....	1759	2074	478	...	...
	Hood Street.....	1574	5144	2199	358	...
	Bolton Street.....	1224	3099	1209	403	2
	Upper Milk Street .....	1496	3940	127	...	5533
	Arley Street.....	918	1048	...	...	1325
	Stanley Road .....	1212	3110	548	26	285
	Finch Place.....	663	2944	932	81	...
	Duke Street Lane .....	626	1253	395	15	17
	Price Street.....	562	1318	394	6	3
	Silver Street .....	910	2528	847	8	2
	Benledi Street.....	723	1826	389	...	...
	Scotland Road.....	431	821	26	1150	28
	Back Commutation Row (1)	449	2856	501	...	...
	" " (2) .....	567	2516	431	3	...
	Hodson Street.....	452	1349	240	...	...
	Frederick Street.....	361	1540	536	11	22
	St. James Street.....	424	1001	212	1	1
	Lawton Street.....	254	963	245	67	...
	Bachelor Street .....	240	1538	255	168	...
	Bayhorse Lane .....	246	1780	503	45	...
	Brownlow Hill .....	83	382	95	...	...
	Lydia Ann Street .....	306	2331	967	...	...
	Regent Street.....	14	77	...	...	...
	Plumbe Street.....	...	...	...	...	3150
	Lower Milk Street.....	...	...	...	...	2590
	Byrom Street.....	...	...	...	...	1067
	Norman Street .....	...	...	...	...	675
	Whitechapel .....	Not killing.	...	...	...	...
	Dundee Street .....	," "	...	...	...	...
Total in Private Slaughter-houses.....	24643	74095	19227	3741	21194	...
Total in Borough.....	52229	251333	19227	14291	30923	...

## SMOTHERED CATTLE.

Beasts.	Sheep.	Pigs.	Number found good.	Number found bad.	Weight of Bad in pounds.
28	4	48	47	33	14361

## INSPECTOR OF NUISANCES' REPORT.

Nuisances inspected, complained of by inhabitants ...	...	...	...	...	2,037
„ Reported by District Officers	...	...	...	...	24,875
„ Notices issued...	...	...	...	...	16,339
„ Informations ...	...	...	...	...	321
Number fined ...	...	...	...	...	111
„ withdrawn and acquitted	...	...	...	...	189
Magistrate's Orders to abate ...	...	...	...	...	21

## HOUSE-TO-HOUSE VISITATION DURING THE YEAR 1870.

Number of Streets examined ...	...	...	...	...	...	...	...	2,401
„ „ houses examined ...	...	...	...	...	...	...	...	40,226
„ „ „ found clean ...	...	...	...	...	...	...	...	35,379
„ „ „ „ dirty and infected with disease	...	...	...	...	...	...	...	4,847
Apartments in Street-houses examined...	...	...	...	...	...	...	...	147,420
Number of Courts examined ...	...	...	...	...	...	...	...	5,185
„ „ houses examined ...	...	...	...	...	...	...	...	29,973
„ „ „ found clean ...	...	...	...	...	...	...	...	24,693
„ „ „ „ dirty and infected with disease	...	...	...	...	...	...	...	5,280
Apartments in Court-houses examined...	...	...	...	...	...	...	...	88,542
Re-inspection of dirty houses and houses infected with disease	...	...	...	...	...	...	...	28,626
Total number of houses examined ...	...	...	...	...	...	...	...	98,825

## INFECTIOUS DISEASE IN HOUSES.

3,748 Street houses examined contained 6,315 cases.

3,375 Court „ „ „ 5,962 „

456 Cellars „ „ „ 665 „

## EXAMINATION OF CELLARS FOR THE YEAR 1870.

## PROCEEDINGS.

## FINES INFILCTED FOR 1870.

Nuisances	...	...	...	...	...	...	...	...	...	...	£61	14	6
Diseased Meat and Slaughter-houses	...	-	...	...	...	...	...	...	...	...	38	14	6
Cellars (letting and occupying illegal Cellars)	...	...	...	...	...	...	...	...	...	...	29	2	0
Whitewashing (filthy houses and houses infected with disease)	...	...	...	...	...	...	...	...	...	...	129	6	0
											£253	17	0



DEATHS REGISTERED IN THE BOROUGH OF LIVERPOOL,  
DURING THE YEAR ENDING SATURDAY, DECEMBER 31, 1870.

